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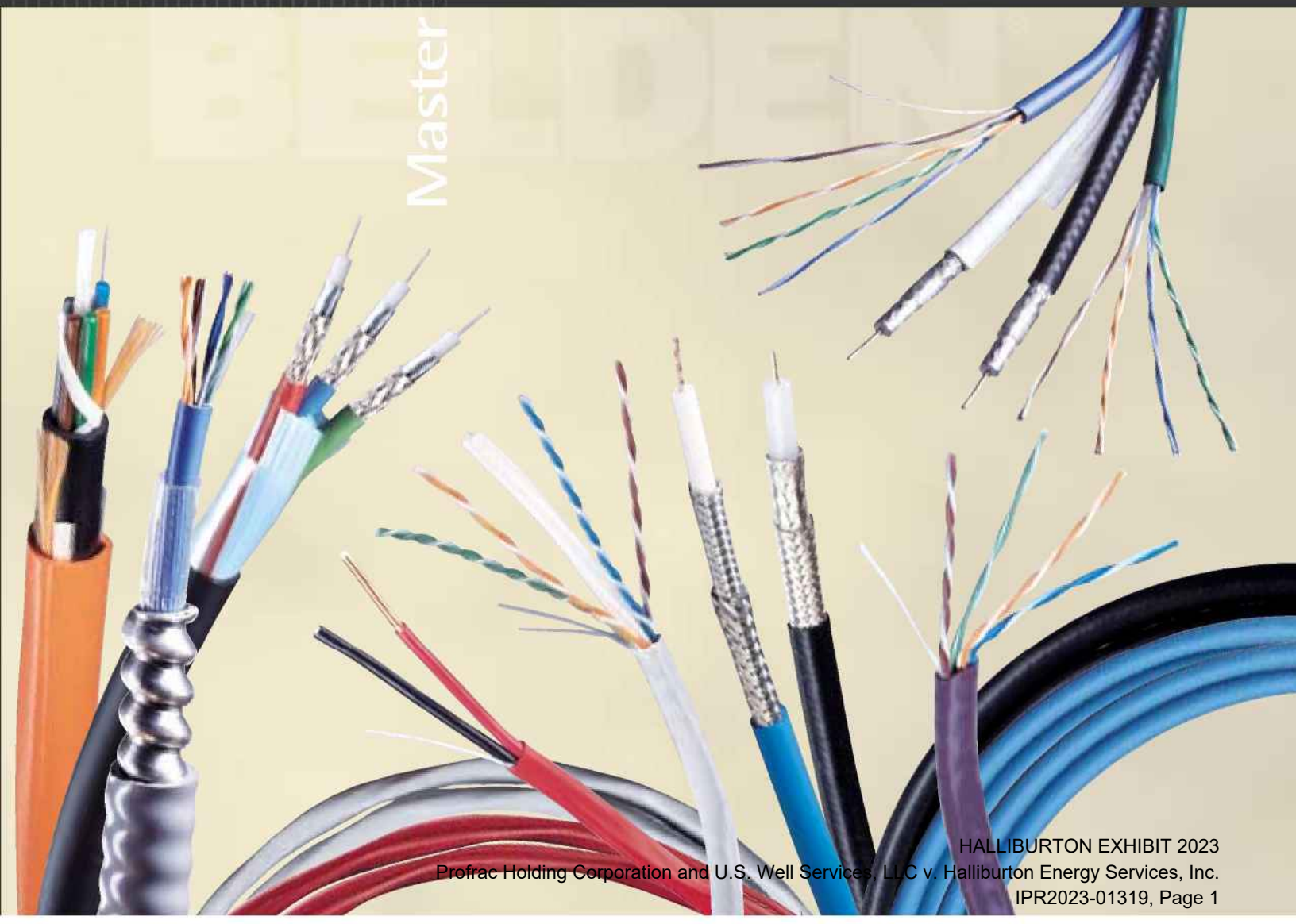




Master Catalog

INDUSTRIAL
RESIDENTIAL
BROADCAST
NETWORKING
SOUND, SECURITY & ALARM

ELECTRONIC WIRE & CABLE
FIBER OPTIC CABLE



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Welcome To The Most Complete Resource In The Industry For Reliable Electronic Wire And Cable:

The Belden® Master Catalog is a uniquely distinctive publication. An unparalleled resource for electronic wire and cable solutions, the catalog represents Belden's commitment to providing you with the most reliable electronic wire and cable products, whatever the application or need.

The Industry's Premier Source Of Information For Today's Designers And Specifiers.

The catalog, however, is much more than a listing of products. It is also the industry's premier source of information for today's designers and specifiers. We believe you'll find our Master Catalog to be an essential tool for solving a wide range of application problems.

Choose From More Than 3,000 Wire And Cable Products

Belden has one of the largest product offerings in the markets we serve. Our selection of more than 3,000 wire and cable products is devoted to applications such as:

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- Computer networking and equipment for commercial organizations
- Alarm, security and communications
- Industrial networking, instrumentation and control systems
- Broadcast, entertainment and broadband markets
- Wireless communications
- Electrical equipment, including motors and apparatus

Every one of our products is the result of foresight and leadership, and a proactive response to both emerging technologies and the changing needs of our customers.

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Our world-class manufacturing standards are at the very heart of what distinguishes us from our competitors. All Belden products are manufactured using the industry's highest standards of quality, with the most advanced equipment, systems, controls and processes.

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To assure Belden products meet your requirements, we use a formal, documented Quality Management System based on our Quality Policy and the ISO 9000 family of international standards. Belden Electronics was the first UL Registered Wire and Cable Company to receive registration to ISO 9001:2002. Our ISO certification is a confirmation of Belden's pledge to total quality and to continual improvement through our company's quality processes.

What this all adds up to is an unceasing dedication to reliability, which is at the root of Belden's aggressive, continual search for ways to meet the often complicated needs of our customers.



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How to Use the Belden® Master Catalog

If You're Not Sure Of What You Need...

Select By Cable Type or Application

Use the Section Index below or look at the more detailed Table of Contents pages found at the beginning of *each* section to find your cable type or application.

Select By Keyword

Reference the *Table of Contents* section on the following pages for an alphabetical listing of product keywords.

Consult the Cable Finder Guide

If you know the gage size, shielding type, and/or number of conductors needed for your application, you can locate a part number and corresponding catalog page number for all matching multi-conductor and paired cable products in the *Cable Finder Guide* (Section 2).

If You Know The Belden Part Number...

Consult the Index in the Back of the Catalog

In the *Part Number Index* (Section 17), you'll find a numerical listing of Belden part numbers. This comprehensive Index lists *every* product featured in the *Belden Master Catalog*.

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Visit our Web Site at www.belden.com

Our Web site is a valuable online resource for Belden wire and cable products, services, support, solutions, and purchasing information. Point your browser to www.belden.com to find out more.

Contact One of Our Sales Representatives for Assistance

Call 1-800-BELDEN-1 in the U.S. or 1-765-983-5200 outside the U.S. You can also fax us at 1-765-983-5656 or email us at techsupport@belden.com.

To Place an Order

For many of the products in the catalog, you will find everything you need in this catalog to place an order. Should you need assistance, please contact your Belden sales representative. A complete list of all of our sales offices can be found on the back cover of this catalog or at www.belden.com.

Please refer to "Terms of Use of Master Catalog" on page 16.30.

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ControlNet is a ControlNet International trademark.

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DeviceNet is an Open DeviceNet Vendor Association, Inc. trademark.

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ControlNet is a ControlNet International trademark.
DeviceNet is an Open DeviceNet Vendor Association, Inc. trademark.

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Cable Finder Guide

The Belden® Cable Finder Guide is a tool for the user of the Belden Master Catalog. It is designed to give quick access and page reference to current Belden product offerings by AWG size, shielding type and number of conductors.

Use the Cable Finder to locate where the specific cable you seek is detailed in the body of the catalog.

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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
25 AWG and smaller														
1	—	—	—	—	83303	4.30	—	—	—	—	—	—	—	—
2	—	—	9454 8416	12.38 12.38	83317	4.30	9180 9271	12.28 12.56 6.84	—	—	—	—	—	—
3	—	—	8791	4.14	83332 8643	4.30 4.14	—	—	—	—	—	—	—	—
4	—	—	—	—	83347 1804A 1172A	4.30 12.9 12.9	1211A• 8132FO	4.21 5.14	9804 8132	5.26 5.27	1215A■ 7891A■	11.21 12.29	—	—
6	—	—	—	—	—	—	1212A• 8133FO	4.21 5.14	9791 9805 8133 1538A	4.16 5.26 5.27 11.22	—	—	—	—
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8	—	—	—	—	7884A◗	12.18	1213A• 8134FO	4.21 5.14	9806 8134	5.26 5.27	7890A■	12.29	—	—
10	—	—	—	—	—	—	8135FO	5.14	9807 8135	5.26 5.27	—	—	—	—
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2	8782	12.33	9397 1812A 1813A	12.5 12.5 12.6	83318 8413 9399 1800F 1901A	4.30 12.5 12.5 12.5 12.27 12.6 12.10	9452 9501 82641 88641 1508A 1883A 8641 1800B 1801B	12.6 5.11 12.10 5.13 12.10 5.13 12.10 5.16 12.10 5.16 12.10 5.16 12.28 14.17 12.28	9841 82841 89841 7200A 7205A 7206A	5.28 5.28 5.52 5.28 5.52 15.38 15.38 15.38	—	—	—	—
3	—	—	9398	12.8	83333 8406	4.30 12.8	9533	4.11	9608 9925 83503	4.17 4.18 4.25	—	—	—	—
4	9562▾ 1588A▾ 1588R▾ 1590A▾ 1227A1▾ 1243A2▾	5.4 11.9 11.9 11.10 11.13 11.13	—	—	83348 1192A	4.30 12.9	9534 9502 82502 1419A 88102	4.11 5.11 5.13 5.49 5.15 5.50	9609 9927 83504 9842 82842 8332 9829 8102 7201A	4.17 4.18 4.25 5.28 5.28 5.52 5.29 5.30 5.31 15.38	9729 89729 82729 8162■ 1509C■ 1802B	5.35 12.30 12.31 5.36 5.53 12.31 5.36 5.53 5.44 12.20 12.28	1902A	12.21
5	—	—	—	—	—	—	9535	4.11	9610 9929	4.17 4.18	—	—	—	—

*Armored
†Triad
▾ Solid conductors
◆ Siamese version
◗ Quad
• Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
24 AWG *(continued)*														
6	—	—	—	—	—	—	9536 9503 82503 89503 9680 1420A 88103	4.11 5.11 5.13 5.49 5.13 5.49 5.15 5.15 5.50	9611 9931 83506 9843 9830 8103 1543A▼ 3120A 7202A	4.17 4.18 4.25 5.28 5.30 5.31 11.22 15.25 15.38	9730 89730 8163■ 9990	12.30 5.35 12.31 5.36 5.53 5.44 5.37	—	—
7	—	—	—	—	—	—	9537	4.11	9612 9932 1536A▼	4.17 4.18 11.22	—	—	—	—
8	1875GA 1875GB 1700A▼ 1700R▼ 1701A▼ 1701LC▼ 1752A 1500A▼ 1500R▼ 1501A▼ 1583A▼ 1583R▼ 1583B▼ 1594A▼ 1585A▼ 1585B▼ 1585LC▼ 1592A 1229A1▼ 1245A2▼ 121700A* 7883A 11700A 121700A* 7924A 7928A 7918A 11872A 12872A* 7923A	11.4 11.4 11.6 11.6 14.10 11.6 14.10 11.6 11.7 11.8 11.8 14.10 11.8 11.9 11.9 14.11 11.9 11.9 11.10 14.10 11.10 11.10 11.11 11.13 11.13 15.6 11.5 15.7 15.7 15.7 15.8 15.8 15.9 15.9 15.6	—	—	—	—	9538 9504 82504 89504 9681 1421A 88104 1533R▼ 1533P▼ 1624R▼ 1624P▼ 1633A▼ 7929A 7919A	4.11 5.11 5.13 5.49 5.13 5.49 5.15 5.15 5.50 11.14 11.14 11.15 11.15 11.16 15.6 15.8	9613 9933 9844 8334 9831 7203A 7921A 8104	4.17 4.18 5.28 5.29 5.30 15.38 15.6 5.31	9728 89728 8164■ 1408R■ 1510C■ 1803F■	5.35 12.30 5.36 5.53 12.31 5.44 12.19 12.20 12.29	1904A	12.21
9	—	—	—	—	—	—	9539	4.11	9614 9934 83509	4.17 4.18 4.25	—	—	—	—
10	—	—	—	—	—	—	9540 9505 82505 89505 1422A 88105	4.11 5.11 5.13 5.49 5.13 5.49 5.15 5.50	9615 9935 8335 9832 8105	4.17 4.18 5.29 5.30 5.31	8165■ 89705	5.44 5.53 12.31	—	—
12	9566▼	5.4	—	—	—	—	9506 82506 9682 1423A 88106	5.12 5.13 5.15 5.15 5.50	83512 8336 9839 8106	4.25 5.29 5.30 5.31	9731 89731	5.35 12.30 5.36 5.53 12.31	1906A	12.21

*Armored
†Triad

▼ Solid conductors
◆ Siamese version
‣ Quad

• Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
24 AWG *(continued)*														
12 *(cont'd)*											9991 8166■ 1409R■ 1511C■	5.37 5.44 12.19 12.20		
14	—	—	—	—	—	—	9507	5.12	8337 9833 8107	5.29 5.30 5.31	8167■ 89757	5.44 5.53 12.31	—	—
15	—	—	—	—	—	—	9541 88107	4.11 5.50	9616 9936 83515	4.17 4.18 4.25	—	—	—	—
16	1702A◆▼ 1703A◆▼	11.6 11.6	—	—	—	—	9508 1668A▼	5.12 11.16	8108	5.31	8168■ 1410R■ 1512C■ 1805F■	5.45 12.19 12.20 12.29	1908A	12.21
18	—	—	—	—	—	—	9509 82509 9683 88109	5.12 5.13 5.49 5.15 5.50	9834	5.30	9732 89732 9992	5.35 12.30 5.36 5.53 12.31 5.37	—	—
20	9570▼	5.4	—	—	—	—	9542 9510	4.11 5.12	8340 9835 8110	5.29 5.30 5.31	8170■	5.45	—	—
22	—	—	—	—	—	—	—	—	—	—	9733	5.35 12.30	—	—
24	—	—	—	—	—	—	—	—	9836	5.30	9734 9993 89734 1411R■ 1513C■ 1806F■	5.35 12.30 5.37 5.53 12.31 12.19 12.20 12.29	1912A	12.21
23 AWG														
8	7851A▼ 7852A▼ 1872A▼ 1874A▼ 7881A▼ 7882A▼ 11872A▼ 121872A▼	11.3 11.3 11.4 11.4 11.5 14.9 11.5 14.9 15.9 15.9	—	—	—	—	—	—	—	—	—	—	—	—
22 AWG														
1	—	—		—	9965 83305	4.15 4.30	—	—	—	—	—	—	—	—
2	8795▼ 8442 88442 82442 9712 9151 8740▼ 9407	4.3 4.3 12.36 4.4 4.23 5.6 5.48 4.4 4.23 5.6 5.48 12.33 12.34 5.4 15.41	8737	5.24 12.12	9966 83319 8422 8437▼ 8441	4.15 4.30 12.6 5.23 5.23	83394 8450▼ 9414 9462 8761 9461 8451 9451 1266A	4.29 5.18 12.11 5.18 5.18 5.18 12.12 5.18 12.12 5.19 12.11 5.19 12.11 5.19 12.11	83552 3079A 3105A 1696A	4.25 15.19 15.26 12.27	—	—	—	—

*Armored
†Triad
▼ Solid conductors
◆ Siamese version
‣ Quad
● Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

HALLIBURTON EXHIBIT 2023
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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
22 AWG *(continued)*														
2 *(cont'd)*							1503A 88761 87761 82761 9182• 89182• 3077F 3078F 9322	5.19 12.11 5.20 5.51 12.12 5.20 5.51 12.12 5.20 5.51 12.12 6.84 6.84 15.19 15.19 15.41						
3	8794▼ 8443 9491†	4.3 4.3 15.42	—	—	8735 9967 83334	4.14 4.15 4.30	9770 8771 83395 9363†	4.12 4.12 4.29 15.42	9939 83553 3106A	4.19 4.25 15.26	—	—	—	—
4	9794▼ 8444 88444 82444 8741▼ 9744 88741 82741	4.3 4.3 4.4 4.23 4.4 4.23 5.4 5.5 5.6 5.48 5.6 5.48	—	—	9968 83349	4.15 4.30	8729 83396 9302▼ 9184▼ 3000A 9512	4.12 4.29 5.17 5.17 15.41 15.41	9940 83554 8302 9855▼ 1268A▼ 89855▼ 1269A▼ 9696▼ 89696▼ 3107A	4.19 4.25 5.32 5.33 5.33 5.33 5.52 5.33 5.52 5.33 5.33 5.52 15.26	9406 8723 82723 88723 87723 8728■ 9688■▼ 82688■▼ 1634A■▼ 3087A 9328 3001A■ 1814R■ 1502P 1502R 9451D◆ 1504A◆	5.38 5.38 12.13 14.18 5.38 5.54 12.13 5.38 5.54 12.13 5.38 5.54 12.13 5.46 11.20 11.20 11.20 15.23 15.42 15.42 12.22 12.39 12.39 5.19 5.19 12.14	—	—
5	8445	4.3	—	—	—	—	—	—	9941	4.19	—	—	—	—
6	9576▼ 8742▼ 9745 82742	4.32 5.4 5.5 5.6 5.48	—	—	—	—	3002A† 9513	15.42 15.41	9942 83556 8303 3108A	4.19 4.25 5.32 15.26	3003A†▼ 8767▼ 8777 82777 88777 87777 9329	15.42 5.37 5.40 12.25 5.41 5.54 12.25 5.41 5.54 12.25 5.41 5.54 12.25 15.42		
7	9430	4.3	—	—	—	—	—	—	9943	4.19	—	—	—	—

*Armored
†Triad
▼ Solid conductors
◆ Siamese version
‣ Quad
• Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
22 AWG *(continued)*														
8	9421 8757▼ 9746 88757 82757	4.3 5.4 5.5 5.6 5.48 5.6 5.48	—	—	—	—	9305▼ 3004A 9514	5.17 15.41 15.41	9944 8304 3109A	4.19 5.32 15.26	9330 3005A■ 1815R■ 1217B	15.42 15.42 12.22 12.24	—	—
9	9423	4.3	—	—	—	—	—	—	9945 83559	4.19 4.25	—	—	—	—
10	8456	4.3	—	—	—	—	—	—	9946 8305	4.19 5.32	—	—	—	—
12	8457 8743▼ 8747 82743	4.4 5.4 5.5 5.6	—	—	—	—	9306▼ 9516	5.17 15.41	83562 8306	4.25 5.32	8768▼ 8778 82778 88778 87778 9331 1816R■ 1218B	5.37 5.40 12.24 5.41 5.54 12.25 5.41 5.54 12.25 5.41 5.54 12.25 15.42 12.22 12.23	—	—
14	—	—	—	—	—	—	—	—	8307	5.32	—	—	—	—
15	8458	4.4	—	—	—	—	—	—	9947	4.19	—	—	—	—
16	9160▼	5.4	—	—	—	—	3006A	15.41	8308	5.32	3007A■ 1817R■	15.42 12.22	—	—
18	8744▼ 8748	5.4 5.5	—	—	—	—	9309▼ 9520	5.17 15.41	—	—	8764▼ 8774 9332 1219B	5.37 5.40 12.24 15.42 12.23	—	—
19	—	—	—	—	—	—	—	—	83569	4.25	—	—	—	—
20	9431	4.4	—	—	—	—	—	—	8310	5.32	—	—	—	—
22	—	—	—	—	—	—	9521	15.41	—	—	8765▼ 8775 9333	5.37 5.40 12.24 15.42	—	—
24	9747	5.5	—	—	—	—	3008A	15.41	—	—	9768 3009A■ 1818R■ 1220B	5.40 12.24 15.42 12.22 12.23	—	—
20 AWG														
1	—	—	—	—	9961 83306	4.15 4.31	—	—	—	—	—	—	—	—
2	85220 7400A 83930 83932 83934 83915 83900 83905 83910 8649 8205	4.28 15.33 15.54 15.54 15.54 15.54 15.54 15.54 15.54 12.33 5.7	8759	5.24 12.14	9962 83320 8412 8402 9272	4.15 4.31 12.6 12.6 6.83	9802▼ 83393 85230 8762 9464 9154 9320 1033A	4.22 4.29 4.29 5.20 12.14 5.20 12.14 5.20 12.14 15.43 15.43	83602 9207● 9463 9463DB 89463 129463* 139463* 189463* 9463F	4.26 6.83 6.83 15.13 15.13 15.14 15.14 15.14 15.13	22671■ 23543*■ 26530*■	15.76 15.78 15.78	—	—

*Armored
†Triad

▼ Solid conductors
◆ Siamese version
‣ Quad

● Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
20 AWG *(continued)*														
2 *(cont'd)*	8205 9408	12.36 15.43					3111A 3112A 3113A 83955 83950 83952 83954	15.53 15.53 15.53 15.54 15.54 15.54 15.54						
3	7101A 7401A 9492†	15.30 15.33 15.44	—	—	9963 83335 7401AS 8423 8403	4.15 4.31 15.33 12.8 12.8	8772 9803▼ 85240 9364† 1526A†	4.12 4.22 4.29 15.44 15.44	—	—	22660†■ 23545*†■ 26539*†■	15.76 15.78 15.78	—	—
4	9444 7102A 7402A	4.5 15.30 15.33	—	—	9964 83350 7402AS 8424 8404	4.15 4.31 15.33 12.9 12.9	3016A	15.43	83604	4.26	9402 1075A■ 3115A■ 22638■ 23534*■ 26531*■	5.41 15.43 15.53 15.76 15.78 15.78	—	—
5	9445 7403A	4.5 15.33	—	—	7403AS 8405 8425	15.33 12.39 12.39	—	—	—	—	—	—	—	—
6	9750	5.7	—	—	9260 8426	4.14 12.39	3017A†	15.44	83606	4.26	3018A†■ 22662†■ 23546*†■ 26540*†■ 9883 9873	15.44 15.76 15.78 15.78 5.41 5.42	—	—
7	9439 7404A	4.5 15.33	—	—	7404AS 8427	15.33 12.39	—	—	—	—	—	—	—	—
8	—	—	—	—	8418	12.39	85164 1056A 1102A	5.11 15.43 15.53	—	—	8725 9901●■ 89901●■ 1076A■ 1112A■ 1006A■ 1012A■ 22639■ 23514*■ 26532*■	5.47 11.18 11.18 15.43 15.53 15.53 15.53 15.76 15.78 15.78	—	—
9	9455 7105A 7405A	4.5 15.30 15.33	—	—	—	—	—	—	83609	4.26	—	—	—	—
10	—	—	—	—	—	—	9890▼	4.22	—	—	9902●■	11.18	—	—
12	9457 7106A 7406A 9751	4.5 15.30 15.33 5.7	—	—	9261 7106AS	4.14 15.30	3020A†	15.44	83612	4.26	1083A†■ 22663†■ 23547*†■ 26541*†■ 9886 9874 22640■ 23513*■ 26533*■	15.44 15.76 15.78 15.78 5.41 5.42 15.76 15.78 15.78	—	—
15	9458	4.5	—	—	—	—	9894▼	4.22	—	—	—	—	—	—
16	—	—	—	—	—	—	85168 1057A 1001A 1103A	5.11 15.43 15.53 15.53	—	—	1077A■ 1007A■ 1013A■ 22641■ 23503*■ 26534*■	15.43 15.53 15.53 15.76 15.78 15.78	—	—

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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
20 AWG *(continued)*														
18	7107A 7407A 9752	15.30 15.33 5.7	—	—	—	—	—	—	—	—	9875	5.42	—	—
22	—	—	—	—	—	—	—	—	—	—	9876	5.42	—	—
24	—	—	—	—	—	—	3021A† 1058A 1002A	15.44 15.43 15.53	—	—	1084A†■ 22672†■ 23548*†■ 26542*†■ 9877 1078A■ 1008A■ 1014A■ 1025A■ 22676■ 23521*■ 26535*■	15.44 15.76 15.78 15.78 5.42 15.43 15.53 15.53 15.53 15.76 15.78 15.78	—	—
19 AWG														
2	8486	5.7	—	—	—	—	—	—	—	—	—	—	—	—
18 AWG														
1	—	—	—	—	83307	4.31	—	—	—	—	—	—	—	—
2	9571▼ 7409A 27916A 27325A 9708 8460 1863A 8461 29030* 9740 89740 87740 82740 9409 9486	4.32 15.34 15.63 15.63 12.33 12.34 12.34 5.7 12.35 15.88 5.8 5.9 5.48 5.9 5.48 5.9 5.48 15.45 15.56	8790	5.24 12.15	83321 8428 9250 8208	4.31 12.7 6.83 5.23	27325AS 9574▼ 8760 9460 88760 87760 82760 3076F 9318 1032A 9341 1120A 3088A	15.63 4.32 5.21 12.15 5.21 12.15 5.21 5.51 12.15 5.21 5.51 12.15 5.21 5.51 12.15 25.19 15.45 15.46 15.56 15.56 15.56	83652 3073F 3074F	4.26 15.16 15.16	22645■ 23533*■ 26514*■ 22417■ 24511*■ 25506*■	15.76 15.78 15.78 15.80 15.81 15.81	—	—
3	7110A 7410A 9493† 27334A 29031*	15.30 15.34 15.42 15.63 15.88	—	—	83336	4.31	27334AS 8770 88770 9365† 1036A† 1121A† 3089A†	15.63 4.13 4.13 4.24 15.47 15.47 15.57 15.57	83653	4.26	22677†■ 23505*†■ 26522 22442†■ 24516*†■ 25500*†■	15.76 15.78 15.78 15.80 15.81 15.81	—	—
4	8489 88489 82489 7411A 27326A 29032* 9156	4.5 4.6 4.23 4.6 4.23 15.34 15.63 15.88 5.8	—	—	83351 7111AS 7411AS	4.31 15.30 15.34	27326AS 9418 89418 82418 9578▼ 9552 3025A 1063A	15.63 4.13 4.13 4.24 4.13 4.24 4.32 15.45 15.46 15.56	83654	4.26	9368 1474A■ 1048A■ 22633■ 23511*■ 26515*■ 22405■ 24512*■ 25514*■	15.45 15.46 15.56 15.76 15.78 15.78 15.80 15.81 15.81	—	—
5	8465 7412A	4.5 15.34	—	—	—	—	—	—	—	—	—	—	—	—

*Armored
†Triad
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◆ Siamese version
‣ Quad
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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
18 AWG *(continued)*														
5 *(cont'd)*	27335A 29033*	15.63 15.88												
6	27600A 29034* 8690	15.63 15.88 5.8	—	—	—	—	3027A† 9553 1529A	15.47 15.45 15.46	83656	4.26	3028A†■ 3064A†■ 22678†■ 23516*†■ 26523*†■ 22443†■ 24517*†■ 25522*†■ 9773 9369	15.47 15.57 15.76 15.78 15.78 15.80 15.81 15.81 5.42 15.45	—	—
7	8467 7113A 7413A 27327A 29035*	4.5 15.30 15.34 15.63 15.88	—	—	7413AS	15.34	—	—	—	—	—	—	—	—
8	27601A 29036* 9157	15.63 15.88 5.8	—	—	—	—	9554 1466A 1064A	15.45 15.46 15.56	—	—	3029A 9388 1475A■ 1049A■ 22648■ 23530*■ 26516*■ 22404■ 24513*■ 25503*■	15.45 15.45 15.46 15.56 15.76 15.78 15.78 15.80 15.81 15.81	—	—
9	8469 7414A 27336A	4.5 15.34 15.63	—	—	—	—	—	—	83659	4.26	—	—	—	—
10	27328A 29038* 9159	15.63 15.88 5.8	—	—	—	—	—	—	—	—	—	—	—	—
11	27602A	15.63	—	—	—	—	—	—	—	—	—	—	—	—
12	8466 7115A 7415A 27329A 29040* 8691	4.5 15.30 15.34 15.63 15.88 5.8	—	—	7115AS 7415AS	15.30 15.34	3030A† 9556	15.47 15.45	83662	4.26	3031A†■ 1093A†■ 22679†■ 23515*†■ 26524*†■ 22444†■ 24518*†■ 25520*†■ 9774 9389 22634■ 23528*■ 26517*■	15.47 15.57 15.76 15.78 15.78 15.80 15.81 15.81 5.42 15.45 15.76 15.78 15.78	—	—
13	27603A	15.63	—	—	—	—	—	—	—	—	—	—	—	—
14	27604A	15.63	—	—	—	—	—	—	—	—	—	—	—	—
15	8468 27605A 29043*	4.5 15.63 15.88	—	—	—	—	—	—	—	—	—	—	—	—
16	27606A 9161	15.63 5.8	—	—	—	—	1467A 1065A	15.46 15.56	—	—	1476A■ 1050A■ 22635■ 23531*■ 26518*■ 22418■ 24514*■ 25505*■	15.46 15.56 15.76 15.78 15.78 15.80 15.81 15.81	—	—
17	27607A	15.63	—	—	—	—	—	—	—	—	—	—	—	—

*Armored
†Triad
▼ Solid conductors
◆ Siamese version
▸ Quad
• Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
18 AWG *(continued)*														
18	7116A 7416A 27608A 8692	15.30 15.34 15.63 5.8	—	—	7416AS	15.34	9559	15.45	—	—	23508*†■ 26525*†■ 9775 9390	15.78 15.78 5.42 15.45	—	—
19	8619 27609A	4.6 15.63	—	—	—	—	—	—	—	—	—	—	—	—
20	27610A 29048*	15.63 15.88	—	—	—	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	9563	15.45	—	—	9391	15.45	—	—
24	9741	5.8	—	—	—	—	3032A† 1468A 1066A	15.47 15.46 15.56	—	—	3033A†■ 1094A†■ 22680†■ 23523*†■ 26526*†■ 22445†■ 24519*†■ 25523*†■ 9776 1477A■ 1051A■ 22636■ 23524*■ 26519*■ 22421■ 24515*■ 25501	15.47 15.57 15.76 15.78 15.78 15.80 15.81 15.81 5.42 15.58 15.56 15.76 15.78 15.78 15.80 15.81 15.81	—	—
16 AWG														
1	—	—	—	—	9951 83308	4.15 4.31	—	—	—	—	—	—	—	—
2	8677 85221 85102 9572▼ 7421A 27917A 27337A 9716 8470 9497 1862A 8471 29017* 9410 1035A 9487	4.8 4.28 4.28 4.32 15.35 15.64 15.64 12.33 14.17 12.34 12.34 12.34 5.9 12.36 15.88 15.48 15.48 15.58	8780	5.24 12.16	9952 83322 7121AS 8408	4.15 4.31 15.31 12.7	85231 9575▼ 27337AS 8719 9316 1030A 1101A 1000A 1018A 1023A 1114A 1115A 1116A 1117A 83951 83953 9342 1118A 3090A	4.29 4.32 15.64 5.22 12.16 15.48 15.48 15.53 15.53 15.53 15.53 15.54 15.54 15.54 15.54 15.54 15.54 15.58 15.58 15.58	83702 9860•▼	4.27 6.84	22646■ 23501*■ 26500*■ 22416■ 24500*■ 25504*■	15.77 15.79 15.79 15.80 15.81 15.81	—	—
3	9498 85103 7122A 7422A 9494† 1034A† 27331A 29004*	4.6 4.28 15.31 15.35 15.49 15.49 15.64 15.88	—	—	9953 83337 7422AS	4.15 4.31 15.35	8618 85241 9366† 1031A† 1119A† 3091A† 27331AS	4.13 4.29 15.49 15.49 15.59 15.59 15.64	83703	4.27	22603†■ 23507*†■ 26502*†■ 22413†■ 24501*†■ 25502*†■	15.77 15.79 15.79 15.80 15.81 15.81	—	—
4	8620 7423A 27338A 29018* 3082K	4.6 15.35 15.64 15.88 15.22	—	—	9954 83352 7123AS 7423AS 8407	4.15 4.31 15.31 15.35 12.9	9579▼ 3043A 1069A	4.32 15.48 15.58	83704 29500	4.27 15.28	1492A■ 1055A■ 22628■ 23527*■ 26501*■	15.48 15.58 15.77 15.79 15.79	—	—

*Armored
†Triad
▼ Solid conductors
◆ Siamese version
▸ Quad
• Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
16 AWG *(continued)*														
4 *(cont'd)*	3082KP	15.22									22409▪ 24505*▪ 25510*▪	15.80 15.81 15.81		
5	9620 9420 85105 7424A 27339A 29019*	4.6 4.9 9.10 4.28 15.35 15.64 15.88	—	—	—	—	—	—	—	—	—	—	—	—
6	27615A 29005*	15.64 15.88	—	—	—	—	3044A† 1528A 1527A	15.49 15.48 15.58	83706	4.27	3045A†▪ 22687†▪ 23522*†▪ 26509*†▪ 22448†▪ 24507*†▪ 25507*†▪ 1037A▪	15.49 15.77 15.79 15.79 15.80 15.81 15.81 15.58	—	—
7	8621 9422 85107 7125A 7425A 27323A 29020*	4.6 4.9 9.10 4.28 15.31 15.35 15.64 15.88	—	—	—	—	—	—	—	—	—	—	—	—
8	9721 27616A 29021*	4.6 15.64 15.88	—	—	—	—	1484A 1070A	15.48 15.58	—	—	1493A▪ 1039A▪ 22629▪ 23509▪ 26503*▪ 22410▪ 24502*▪ 25511*▪	15.48 15.58 15.77 15.79 15.79 15.80 15.81 15.81	—	—
9	9621 9424 85109 7126A 7426A 27340A	4.6 4.9 9.10 4.28 15.31 15.35 15.64	—	—	—	—	—	—	83709	4.27	—	—	—	—
10	27617A 29022*	15.64 15.88	—	—	—	—	—	—	—	—	—	—	—	—
11	27618A	15.64	—	—	—	—	—	—	—	—	—	—	—	—
12	8622 9425 7127A 7427A 27341A 29006*	4.6 4.9 9.10 15.31 15.35 15.64 15.88	—	—	7427AS	15.35	3046A†	15.49	83712	4.27	3047A†▪ 1097A†▪ 22675†▪ 23520*†▪ 26510*†▪ 22414†▪ 24508*†▪ 25509*†▪ 1040A▪ 22630▪ 23500*▪ 26504*▪ 22446▪ 24506*▪ 25512*▪	15.49 15.59 15.77 15.79 15.79 15.80 15.81 15.81 15.58 15.77 15.79 15.79 15.80 15.81 15.81	—	—
13	27619A	15.64	—	—	—	—	—	—	—	—	—	—	—	—
14	27620A	15.64	—	—	—	—	—	—	—	—	—	—	—	—

*Armored
†Triad

▼ Solid conductors
◆ Siamese version
▸ Quad

● Duofoil® shield
▪ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
16 AWG *(continued)*														
15	8623 27621A 29023*	4.6 15.64 15.88	—	—	—	—	—	—	83715	4.27	—	—	—	—
16	9427 27330A	4.9 9.10 15.64	—	—	—	—	1485A 1071A	15.48 15.58	—	—	1494A■ 1041A■ 22631■ 23510*■ 26505*■ 22411■ 24503*■ 25513*■	15.48 15.58 15.77 15.79 15.79 15.80 15.81 15.81	—	—
17	27622A	15.64	—	—	—	—	—	—	—	—	—	—	—	—
18	7128A 7428A 27623A	15.31 15.35 15.64	—	—	7428AS	15.35	—	—	—	—	22688†■ 23529*†■ 26511*†■	15.77 15.79 15.79	—	—
19	8624 27624A	4.6 15.64	—	—	—	—	—	—	83719	4.27	—	—	—	—
20	9429 27625A 29007*	4.9 9.10 15.64 15.88	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	3048A† 1486A 1072A	15.49 15.48 15.58	—	—	3049A†■ 1098A†■ 22689†■ 23526*†■ 26512*†■ 22415†■ 24509*†■ 25508*†■ 1495A■ 1042A■ 22632■ 23525*■ 26506*■ 22412■ 24504*■ 25518*■	15.49 15.59 15.77 15.79 15.79 15.80 15.81 15.81 15.48 15.58 15.77 15.79 15.79 15.80 15.81 15.81	—	—
14 AWG														
2	8675 9580▼ 7434A 27080A 27636A 9717 1861A 8473 27243* 28243* 27840* 28840* 22100 27000 C5500* 9411 9488	4.8 4.33 15.36 15.65 15.65 12.31 14.17 12.33 5.9 12.34 15.70 15.70 15.73 15.73 15.82 15.84 15.89 15.50 15.60	—	—	—	—	9581▼ 8720 9314 9343 3080A	4.33 5.22 12.16 15.50 15.60 15.60	83752	4.34	—	—	—	—
3	7435A 9495† 27081A	15.36 15.50 15.65	—	—	—	—	9367† 3081A† 27081AS	15.50 15.60 15.65	83753	4.34	—	—	—	—

*Armored
†Triad
▼ Solid conductors
◆ Siamese version
‣ Quad
• Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
14 AWG *(continued)*														
3 *(cont'd)*	27244*	15.70												
	28244*	15.70												
	27841*	15.73												
	28841*	15.73												
	22101	15.82												
	27001	15.84												
	C5501*	15.89												
	C5701*	15.92												
4	8627	4.7	—	—	7136AS	15.31	27082AS	15.65	83754	4.34	—	—	—	—
	7136A	15.31			7436AS	15.36			29501	15.28				
	7436A	15.36												
	27082A	15.65												
	1810A	12.35												
	27245*	15.70												
	28245*	15.70												
	27842*	15.73												
	28842*	15.73												
	22102	15.82												
	27002	15.84												
	C5502*	15.89												
	C5702*	15.92												
5	9623	4.7	—	—	—	—	—	—	—	—	—	—	—	—
	27083A	15.65												
	27246*	15.70												
	28246*	15.70												
	27843*	15.73												
	28843*	15.73												
	22103	15.82												
	27003	15.84												
	C5503*	15.89												
6	27084A	15.65	—	—	—	—	—	—	83756	4.34	—	—	—	—
	27247*	15.70												
	28247*	15.70												
	27844*	15.73												
	28844*	15.73												
	22104	15.82												
	27004	15.84												
	C5504*	15.89												
7	8628	4.7	—	—	7438AS	15.36	—	—	—	—	—	—	—	—
	7438A	15.36												
	27085A	15.65												
	27248*	15.70												
	28248*	15.70												
	27845*	15.73												
	28845*	15.73												
	22105	15.82												
	27005	15.84												
	C5505*	15.89												
8	27086A	15.65	—	—	—	—	—	—	—	—	—	—	—	—
	1811A	12.35												
	27269*	15.70												
	28269*	15.70												
	27846*	15.73												
	28846*	15.73												
	22106	15.82												
	27006	15.84												
	C5506*	15.89												
9	7439A	15.36	—	—	—	—	—	—	—	—	—	—	—	—
	27087A	15.65												
	27535*	15.70												
	28535*	15.70												

*Armored
†Triad

▼ Solid conductors
◆ Siamese version
◗ Quad

● Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
14 AWG *(continued)*														
9 *(cont'd)*	22107 27007	15.82 15.84												
10	27088A 27249* 28249* 27847* 28847* 22108 27008 C5508*	15.65 15.70 15.70 15.73 15.73 15.82 15.84 15.89	—	—	—	—	—	—	—	—	—	—	—	—
11	27089A 27009	15.65 15.84	—	—	—	—	—	—	—	—	—	—	—	—
12	8629 7440A 27090A 27250* 28250* 27848* 28848* 22110 27010 C5510*	4.7 15.36 15.65 15.70 15.70 15.73 15.73 15.82 15.84 15.89	—	—	—	—	—	—	—	—	—	—	—	—
13	27091A 27011	15.65 15.84	—	—	—	—	—	—	—	—	—	—	—	—
14	27092A 27012	15.65 15.84	—	—	—	—	—	—	—	—	—	—	—	—
15	27093A 27251* 28251* 27849* 28849* 27013 C5513*	15.65 15.70 15.70 15.73 15.73 15.84 15.89	—	—	—	—	—	—	—	—	—	—	—	—
16	27094A 22114 27014	15.65 15.82 15.84	—	—	—	—	—	—	—	—	—	—	—	—
17	27095A 27015	15.65 15.84	—	—	—	—	—	—	—	—	—	—	—	—
18	27096A 27016	15.65 15.84	—	—	7141AS	15.31	—	—	—	—	—	—	—	—
19	27097A 27969* 28969* 27017	15.65 15.70 15.70 15.84	—	—	—	—	—	—	—	—	—	—	—	—
20	27098A 27252* 28252* 27850* 28850* 22118 27018 C5518*	15.65 15.70 15.70 15.73 15.73 15.82 15.84 15.89	—	—	—	—	—	—	—	—	—	—	—	—
21	27099A 27019	15.65 15.84	—	—	—	—	—	—	—	—	—	—	—	—
22	27100A 27020	15.65 15.84	—	—	—	—	—	—	—	—	—	—	—	—
23	27101A 27021	15.65 15.84	—	—	—	—	—	—	—	—	—	—	—	—
24	27102A 27022	15.65 15.84	—	—	—	—	—	—	—	—	—	—	—	—

*Armored
†Triad
▼ Solid conductors
◆ Siamese version
‣ Quad
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■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
12 AWG														
2	8673 9582▾ 27109A 27641A 9718 1860A 8477 27254* 28254* 27853* 28853* 22120 27029 C5530* C5730* 9412 9489	4.8 4.33 15.66 15.66 12.33 14.17 12.35 5.9 12.36 15.70 15.70 15.73 15.73 15.82 15.85 15.89 15.92 15.51 15.61	—	—	—	—	9583▾ 8718 9312 9344 3103A	4.33 5.22 12.16 15.51 15.61 15.61	83802	4.34	—	—	—	—
3	7444A 27110A 27255* 28255* 27854* 28854* 22121 27030 C5531* C5731*	15.36 15.66 15.70 15.70 15.73 15.73 15.82 15.85 15.89 15.92	—	—	—	—	3102A† 3104A†	15.51 15.61	83803	4.34	—	—	—	—
4	7145A 7445A 27111A 27256* 28256* 27855* 28855* 22122 27031 C5532* C5732*	15.32 15.36 15.66 15.70 15.70 15.73 15.73 15.82 15.85 15.89 15.92	—	—	7445AS	15.36	—	—	83804 29502	4.34 15.28	—	—	—	—
5	27112A 27271* 28271* 27856* 28856* 22123 27032 C5533*	15.66 15.70 15.70 15.73 15.73 15.82 15.85 15.89	—	—	—	—	—	—	—	—	—	—	—	—
6	27113A 27272* 28272* 27857* 28857* 22124 27033 C5534*	15.66 15.70 15.70 15.73 15.73 15.82 15.85 15.89	—	—	—	—	—	—	83806	4.34	—	—	—	—

*Armored
†Triad
▾ Solid conductors
◆ Siamese version
‣ Quad
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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
12 AWG *(continued)*														
7	27114A 27273* 28273* 27858* 28858* 22125 27034 C5535*	15.66 15.70 15.70 15.73 15.73 15.82 15.85 15.89	—	—	—	—	—	—	—	—	—	—	—	—
8	27115A 27274* 28274* 27859* 28859* 22126 27035 C5536*	15.66 15.70 15.70 15.73 15.73 15.82 15.85 15.89	—	—	—	—	—	—	—	—	—	—	—	—
9	27116A 27538* 28538* 22127 27036	15.66 15.70 15.70 15.82 15.85	—	—	—	—	—	—	—	—	—	—	—	—
10	27117A 27275* 28275* 27860* 28860* 22128 27037 C5538*	15.66 15.70 15.70 15.73 15.73 15.82 15.85 15.89	—	—	—	—	—	—	—	—	—	—	—	—
11	27118A 27038	15.66 15.85	—	—	—	—	—	—	—	—	—	—	—	—
12	27119A 27276* 28276* 27861* 28861* 22130 27039 C5540*	15.66 15.70 15.70 15.73 15.73 15.82 15.85 15.89	—	—	—	—	—	—	—	—	—	—	—	—
13	27120A 27040	15.66 15.85	—	—	—	—	—	—	—	—	—	—	—	—
14	27121A 27041	15.66 15.85	—	—	—	—	—	—	—	—	—	—	—	—
15	27122A 27277* 28277* 27862* 28862* 27042 C5543*	15.66 15.70 15.70 15.73 15.73 15.85 15.89	—	—	—	—	—	—	—	—	—	—	—	—
16	27123A 22134 27043	15.66 15.82 15.85	—	—	—	—	—	—	—	—	—	—	—	—
17	27124A 27044	15.66 15.85	—	—	—	—	—	—	—	—	—	—	—	—
18	27125A 27045	15.66 15.85	—	—	—	—	—	—	—	—	—	—	—	—
19	27126A 27539* 28539* 27046	15.66 15.70 15.70 15.85	—	—	—	—	—	—	—	—	—	—	—	—

*Armored
†Triad
▼ Solid conductors
◆ Siamese version
‣ Quad
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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
12 AWG *(continued)*														
20	27127A	15.66	—	—	—	—	—	—	—	—	—	—	—	—
	27278*	15.70												
	28278*	15.70												
	27863*	15.73												
	28863*	15.73												
	22138	15.82												
	27047	15.85												
	C5548*	15.89												
21	27128A	15.66	—	—	—	—	—	—	—	—	—	—	—	—
	27048	15.85												
22	27129A	15.66	—	—	—	—	—	—	—	—	—	—	—	—
	27049	15.85												
23	27130A	15.66	—	—	—	—	—	—	—	—	—	—	—	—
	27050	15.85												
24	27131A	15.66	—	—	—	—	—	—	—	—	—	—	—	—
	27051	15.85												
10 AWG														
2	8678	4.8	—	—	—	—	—	—	—	—	—	—	—	—
	27138A	15.67												
	27643A	15.67												
	27257*	15.71												
	28257*	15.71												
	27866*	15.74												
	28866*	15.74												
	22140	15.82												
	27058	15.86												
	C5560*	15.90												
	C5760*	15.92												
3	27139A	15.67	—	—	—	—	—	—	—	—	—	—	—	—
	27258*	15.71												
	28258*	15.71												
	27867*	15.74												
	28867*	15.74												
	22141	15.82												
	27059	15.86												
	C5561*	15.90												
	C5761*	15.92												
4	7147A	15.32	—	—	7447AS	15.37	—	—	29503	15.28	—	—	—	—
	7447A	15.37												
	27140A	15.67												
	27259*	15.71												
	28259*	15.71												
	27868*	15.74												
	28868*	15.74												
	22142	15.82												
	27060	15.86												
	C5562*	15.90												
	C5762*	15.92												
5	27141A	15.67	—	—	—	—	—	—	—	—	—	—	—	—
	27281*	15.71												
	28281*	15.71												
	27869*	15.74												
	28869*	15.74												
	22143	15.82												
	27061	15.86												
	C5563*	15.90												
6	27142A	15.67	—	—	—	—	—	—	—	—	—	—	—	—
	27282*	15.71												
	28282*	15.71												
	27870*	15.74												
	28870*	15.74												
	22144	15.82												

*Armored

†Triad

▼ Solid conductors

◆ Siamese version

▸ Quad

● Duofoil® shield

■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
10 AWG *(continued)*														
6 *(cont'd)*	27062 C5564*	15.86 15.90												
7	27143A 27283* 28283* 27877* 28877* 22145 27063 C5565*	15.67 15.71 15.71 15.74 15.74 15.82 15.86 15.90	—	—	—	—	—	—	—	—	—	—	—	—
8	27144A 27284* 28284* 27878* 28878* 22146 27064 C5566*	15.67 15.71 15.71 15.74 15.74 15.82 15.86 15.90	—	—	—	—	—	—	—	—	—	—	—	—
9	27145A 27541* 28541* 22147 27065	15.67 15.71 15.71 15.82 15.86	—	—	—	—	—	—	—	—	—	—	—	—
10	27146A 27285* 28285* 27879* 28879* 22148 27066 C5568*	15.67 15.71 15.71 15.74 15.74 15.82 15.86 15.90	—	—	—	—	—	—	—	—	—	—	—	—
11	27147A 27067	15.67 15.86	—	—	—	—	—	—	—	—	—	—	—	—
12	27148A 27286* 28286* 27880* 28880* 22150 27068 C5570*	15.67 15.71 15.71 15.74 15.74 15.82 15.86 15.90	—	—	—	—	—	—	—	—	—	—	—	—
13	27069	15.86	—	—	—	—	—	—	—	—	—	—	—	—
14	22152 27070	15.82 15.86	—	—	—	—	—	—	—	—	—	—	—	—
15	27287* 28287* 27881* 28881* 27071 C5573*	15.71 15.71 15.74 15.74 15.86 15.90	—	—	—	—	—	—	—	—	—	—	—	—
16	22154 27072	15.82 15.86	—	—	—	—	—	—	—	—	—	—	—	—
17	27073	15.86	—	—	—	—	—	—	—	—	—	—	—	—
18	27074	15.86	—	—	—	—	—	—	—	—	—	—	—	—
19	27075	15.86	—	—	—	—	—	—	—	—	—	—	—	—
20	27288* 28288* 27882* 28882* 27076 C5578*	15.71 15.71 15.74 15.74 15.86 15.90	—	—	—	—	—	—	—	—	—	—	—	—

*Armored
†Triad
▼ Solid conductors
◆ Siamese version
‣ Quad
• Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
8 AWG														
2	27149A 27291* 28291* 27871* 28871* 22160 27077 C5583*	15.67 15.71 15.71 15.74 15.74 15.83 15.86 15.90 15.92	—	—	—	—	—	—	—	—	—	—	—	—
3	7449A 27150A 27260* 28260* 27872* 28872* 22161 27078 C5581*	15.37 15.67 15.71 15.71 15.74 15.74 15.83 15.86 15.90 15.92	—	—	—	—	—	—	—	—	—	—	—	—
4	7450A 27151A 27261* 28261* 27873* 28873* 22162 27079 C5582*	15.37 15.67 15.71 15.71 15.74 15.74 15.83 15.86 15.90 15.92	—	—	7450AS	15.37	—	—	29504	15.28	—	—	—	—
6 AWG														
2	27152A 27293* 28293* 27874* 28874* 22170 C5590*	15.67 15.71 15.71 15.74 15.74 15.83 15.93	—	—	—	—	—	—	—	—	—	—	—	—
3	7152A 27153A 27262* 28262* 27875* 28875* 22171 C5591*	15.32 15.67 15.71 15.71 15.74 15.74 15.83 15.93	—	—	—	—	—	—	—	—	—	—	—	—
4	7453A 27154A 27263* 28263* 27876* 28876* C5592*	15.37 15.67 15.71 15.71 15.74 15.74 15.93	—	—	—	—	—	—	29505	15.28	—	—	—	—
4 AWG														
2	27155A 22180	15.68 15.83	—	—	—	—	—	—	—	—	—	—	—	—
3	27156A 27264* 28264* 27894* 28894* 22181 C5601*	15.68 15.72 15.72 15.74 15.74 15.83 15.93	—	—	—	—	—	—	—	—	—	—	—	—

*Armored
†Triad
▼ Solid conductors
◆ Siamese version
▸ Quad
● Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

Less than 25 Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
4 AWG *(continued)*														
4	27157A 27265* 28265* 27895* 28895* C5602*	15.68 15.72 15.72 15.74 15.74 15.93	—	—	—	—	—	—	29506	15.28	—	—	—	—
3 AWG														
3	27896* 28896* C5611*	15.74 15.74 15.93	—	—	—	—	—	—	—	—	—	—	—	—
2 AWG														
2	27158A	15.68	—	—	—	—	—	—	—	—	—	—	—	—
3	7158A 27159A 27267* 28267* 27888* 28888* C5621*	15.32 15.68 15.72 15.72 15.75 15.75 15.93	—	—	—	—	—	—	—	—	—	—	—	—
4	27160A 27268* 28268* 27889* 28889* C5622*	15.68 15.72 15.72 15.75 15.75 15.93	—	—	—	—	—	—	29507	15.28	—	—	—	—
1 AWG														
3	27161A C5625*	15.68 15.94	—	—	—	—	—	—	—	—	—	—	—	—
1/0 AWG														
3	C5627*	15.94	—	—	—	—	—	—	—	—	—	—	—	—

*Armored
†Triad
▼ Solid conductors
◆ Siamese version
‣ Quad
● Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

25 or More Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
25 AWG and smaller														
25	—	—	—	—	—	—	8142FO	5.14	9637 8142	4.16 5.27 12.55	—	—	—	—
26	—	—	—	—	—	—	—	—	9813	5.26	—	—	—	—
32	—	—	—	—	—	—	—	—	—	—	7893A■	12.29	7886A◗	12.18
36	—	—	—	—	—	—	8148FO	5.14	8148 9819	5.27 5.26	—	—	—	—
48	—	—	—	—	—	—	—	—	—	—	—	—	7887A◗	12.18
50	—	—	—	—	—	—	8155FO	5.14	9825 8155 1401A	5.26 5.27 11.23	—	—	—	—
62	—	—	—	—	—	—	—	—	9814	5.26	—	—	—	—
64	—	—	—	—	—	—	—	—	—	—	—	—	7888A◗	12.18
68	—	—	—	—	—	—	—	—	1403A	11.23	—	—	—	—
96	—	—	—	—	—	—	—	—	—	—	—	—	7889A◗	12.18
24 AWG														
25	—	—	—	—	—	—	9543 9684 1424A 82512 88112	4.11 5.15 5.15 5.49 5.50	9617 9937 8342 8112	4.17 4.18 5.29 5.31 12.55	—	—	—	—
30	—	—	—	—	—	—	9544 9515 1425A	4.11 5.12 5.15	8345 8115	5.29 5.31	9735 8175■	5.35 12.30 5.45	—	—
32	—	—	—	—	—	—	—	—	—	—	1412R■ 1514C■ 1850F■	12.19 12.20 12.29	1916A	12.21
34	—	—	—	—	—	—	—	—	—	—	9736	5.35 12.30	—	—
36	—	—	—	—	—	—	—	—	8348 9837 8118	5.29 5.30 5.31	8178■ 89758	5.45 5.53 12.31	—	—
37	—	—	—	—	—	—	88118	5.50	9618 9938	4.17 4.18	—	—	—	—
38	—	—	—	—	—	—	9519	5.12	—	—	9737	5.35 12.30	—	—
40	—	—	—	—	—	—	9545	4.11	—	—	1413R■ 1515C■	12.19 12.20	—	—
48	—	—	—	—	—	—	—	—	—	—	1414R■ 1516C■ 1852F■	12.19 12.20 12.29	1924A	12.21
50	9585▼ 1864A▼ 1871A▼ 1232A1▼	5.4 11.12 11.12 11.13	—	—	—	—	9546 9525 88125	4.11 5.12 5.50	9619 8355 9838 8125	4.17 5.29 5.30 5.31	9995 8185■	5.37 5.45	—	—
52	—	—	—	—	—	—	—	—	—	—	1415R■ 1517C■	12.19 12.20	—	—
54	—	—	—	—	—	—	—	—	—	—	9738	5.35 12.30	—	—
64	—	—	—	—	—	—	—	—	—	—	1416R■ 1518C■ 1854F■	12.19 12.20 12.29	1932A	12.21
100	—	—	—	—	—	—	9550	5.12	—	—	—	—	—	—
104	—	—	—	—	—	—	—	—	—	—	1519C■	12.24	—	—
22 AWG														
25	8459	4.4	—	—	—	—	—	—	9948 8312	4.19 5.32	—	—	—	—

*Armored
†Triad
▼ Solid conductors
◆ Siamese version
◗ Quad
• Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

25 or More Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
22 AWG *(continued)*														
30	9432 8749	4.4 5.5	—	—	—	—	9315▼ 9524	5.17 15.41	8315	5.32	8766▼ 8776	5.37 5.40 12.24	—	—
32	—	—	—	—	—	—	3010A	15.41	—	—	3011A■ 1819R■ 1222B	15.42 12.22 12.23	—	—
34	—	—	—	—	—	—	—	—	—	—	9769	5.40 12.24	—	—
36	—	—	—	—	—	—	9772†	4.20	8318	5.32	—	—	—	—
37	—	—	—	—	—	—	—	—	9949	4.19	—	—	—	—
38	9748	5.5	—	—	—	—	9319▼ 9526	5.17 15.41	—	—	8769 9335	12.24 5.40 15.42	—	—
40	9433	4.4	—	—	—	—	—	—	—	—	1820R■ 1225B	12.22 12.23	—	—
48	—	—	—	—	—	—	3012A	15.41	—	—	3013A■ 1821R■ 1427B	15.42 12.22 12.23	—	—
50	9434	4.4	—	—	—	—	—	—	9950 8325	4.19 5.32	—	—	—	—
52	—	—	—	—	—	—	—	—	—	—	1822R■	12.22	—	—
54	8750	5.5	—	—	—	—	9327▼ 9527	5.17 15.41	—	—	8773	5.40 12.24	—	—
56	—	—	—	—	—	—	—	—	—	—	1221B	12.23	—	—
64	—	—	—	—	—	—	—	—	—	—	1823R■ 1226B	12.22 12.23	—	—
74	—	—	—	—	—	—	—	—	—	—	9767	12.24 5.40	—	—
76	—	—	—	—	—	—	8752▼	5.18	—	—	—	—	—	—
100	—	—	—	—	—	—	3014A	15.41	—	—	3015A■	15.42	—	—
102	—	—	—	—	—	—	8751▼ 9551	5.17 15.41	—	—	9337	15.42	—	—
104	—	—	—	—	—	—	—	—	—	—	1428B	12.23	—	—
20 AWG														
25	7108A 7408A	15.30 15.33	—	—	—	—	—	—	—	—	—	—	—	—
30	9755	5.7	—	—	—	—	—	—	—	—	9879	5.42	—	—
32	—	—	—	—	—	—	1059A	15.43	—	—	1079A■ 1009A■ 1015A■ 22643■ 23532*■ 26536*■	15.43 15.53 15.53 15.76 15.78 15.78	—	—
36	—	—	—	—	—	—	3022A†	15.44	—	—	1085A†■ 23571*†■ 26553*†■	15.44 15.78 15.78	—	—
40	—	—	—	—	—	—	—	—	—	—	1091A■	15.43	—	—
48	—	—	—	—	—	—	3023A† 1060A	15.44 15.43	—	—	1092A†■ 22673†■ 23549*†■ 26543*†■ 1080A■ 1016A■ 22647■ 23506*■ 26537*■	15.44 15.76 15.78 15.78 15.43 15.53 15.76 15.78 15.78	—	—

*Armored
†Triad
▼ Solid conductors
◆ Siamese version
‣ Quad
• Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

25 or More Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
20 AWG *(continued)*														
60	—	—	—	—	—	—	—	—	—	—	1086A†■	15.44	—	—
72	—	—	—	—	—	—	3024A† 1061A	15.44 15.43	—	—	3067A†■ 22674†■ 23550*†■ 26544*†■ 1081A■ 1017A■ 22670■ 23544*■ 26538*■	15.44 15.76 15.78 15.78 15.43 15.53 15.76 15.78 15.78	—	—
100	—	—	—	—	—	—	1062A	15.43	—	—	1082A■ 23575*■ 26546*■	15.43 15.78 15.78	—	—
18 AWG														
25	9626 7117A 7417A 27611A 29053*	4.6 15.30 15.34 15.63 15.88	—	—	7117AS 7417AS	15.30 15.34	—	—	—	—	—	—	—	—
30	27612A 29058* 9742	15.63 15.88 5.8	—	—	—	—	9565	15.45	—	—	9777 9392	5.42 15.45	—	—
32	—	—	—	—	—	—	3034A 1067A	15.46 15.56	—	—	3035A■ 1052A■ 22654■ 23519*■ 26520*■	15.46 15.56 15.76 15.78 15.78	—	—
34	7118A 7418A	15.30 15.34	—	—	—	—	—	—	—	—	—	—	—	—
36	—	—	—	—	—	—	—	—	—	—	3068A†■ 1095A†■ 23512*†■ 26527*†■	15.47 15.57 15.78 15.78	—	—
37	27613A	15.63	—	—	—	—	—	—	—	—	—	—	—	—
38	9743	5.8	—	—	—	—	—	—	—	—	—	—	—	—
40	29068*	15.88	—	—	—	—	—	—	—	—	—	—	—	—
41	7419A	15.34	—	—	—	—	—	—	—	—	—	—	—	—
48	—	—	—	—	—	—	3036A† 1471A 1068A	15.47 15.46 15.56	—	—	3037A†■ 3066A†■ 22681†■ 22683†■ 23537*†■ 26528*†■ 1480A■ 1053A■ 22637■ 23542*■ 26521*■ 22419■ 24520*■ 25517*■	15.47 15.57 15.76 15.76 15.78 15.78 15.46 15.56 15.76 15.78 15.78 15.80 15.81 15.81	—	—
50	7142A 27614A 29078*	15.31 15.63 15.88	—	—	—	—	—	—	—	—	—	—	—	—
60	27632A	15.63	—	—	—	—	—	—	—	—	—	—	—	—
72	—	—	—	—	—	—	3038A† 1472A 1087A	15.47 15.46 15.56	—	—	3039A†■ 1096A†■ 22682†■ 22684†■	15.47 15.57 15.76 15.76	—	—

*Armored
†Triad
▼ Solid conductors
◆ Siamese version
▸ Quad
● Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

25 or More Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
18 AWG *(continued)*														
72 *(cont'd)*											23536*†■ 26529*†■ 1481A■ 1054A■ 23554*■ 26555*■	15.78 15.78 15.46 15.56 15.78 15.78		
100	—	—	—	—	—	—	3041A 1088A	15.46 15.56	—	—	3042A■ 1038A■	15.46 15.56	—	—
16 AWG														
25	9622 7129A 27324A 29024* 7429A	4.6 15.31 15.64 15.88 15.35	—	—	—	—	—	—	—	—	—	—	—	—
30	27626A 29008*	15.64 15.88	—	—	—	—	—	—	—	—	—	—	—	—
32	—	—	—	—	—	—	3050A 1073A	15.48 15.58	—	—	3051A■ 1043A■ 22685■ 23539*■ 26507*■	15.48 15.58 15.77 15.79 15.79	—	—
34	7130A 7430A	15.31 15.35	—	—	—	—	—	—	—	—	—	—	—	—
36	—	—	—	—	—	—	—	—	—	—	3069A†■ 1099A†■ 22690†■ 23541*†■ 26513*†■	15.49 15.59 15.77 15.79 15.79	—	—
37	27627A	15.64	—	—	—	—	—	—	—	—	—	—	—	—
40	29009*	15.88	—	—	—	—	—	—	—	—	1044A■	15.58	—	—
48	—	—	—	—	—	—	3052A† 1489A 1074A	15.49 15.48 15.58	—	—	3053A†■ 3118A†■ 23567*†■ 26545*†■ 1498A■ 1045A■ 22686■ 23538*■ 26508*■ 22447■ 24510*■ 25519*■	15.49 15.59 15.79 15.79 15.48 15.58 15.77 15.79 15.79 15.80 15.81 15.81	—	—
50	7132A 27628A 29016*	15.31 15.64 15.88	—	—	—	—	—	—	—	—	—	—	—	—
60	27633A 29025*	15.64 15.88	—	—	—	—	—	—	—	—	—	—	—	—
72	—	—	—	—	—	—	3054A† 1490A 1089A	15.49 15.48 15.58	—	—	3055A†■ 1100A†■ 23578*†■ 26547*†■ 1499A■ 1046A■ 23568*■ 26551*■	15.49 15.59 15.79 15.79 15.48 15.58 15.79 15.79	—	—
100	—	—	—	—	—	—	3056A 1090A	15.48 15.58	—	—	3057A■ 1047A■	15.48 15.58	—	—
108	—	—	—	—	—	—	—	—	—	—	3130A†■	15.59	—	—

*Armored
†Triad
▼ Solid conductors
◆ Siamese version
‣ Quad
● Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

25 or More Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
14 AWG														
25	7142A 7442A 27103A 27270* 28270* 27851* 28851* 27023 C5503*	15.31 15.36 15.65 15.70 15.70 15.73 15.73 15.84 15.89	—	—	—	—	—	—	—	—	—	—	—	—
26	27104A 27024	15.65 15.84	—	—	—	—	—	—	—	—	—	—	—	—
27	27105A 27025	15.65 15.84	—	—	—	—	—	—	—	—	—	—	—	—
28	27106A 27026	15.65 15.84	—	—	—	—	—	—	—	—	—	—	—	—
29	27107A 27027	15.65 15.84	—	—	—	—	—	—	—	—	—	—	—	—
30	27108A 27253* 28253* 27852* 28852* 27028 C5528*	15.65 15.70 15.70 15.73 15.73 15.84 15.89	—	—	—	—	—	—	—	—	—	—	—	—
37	27629A 27292* 28292* 27830	15.65 15.70 15.70 15.84	—	—	—	—	—	—	—	—	—	—	—	—
40	27433* 28433* 27885* 28885* C5529*	15.70 15.70 15.73 15.73 15.89	—	—	—	—	—	—	—	—	—	—	—	—
50	27912A 27434* 28434* 27886* 28886* C6064*	15.65 15.70 15.70 15.73 15.73 15.89	—	—	—	—	—	—	—	—	—	—	—	—
12 AWG														
25	27132A 27279* 28279* 27864* 28864* 27052 C5553*	15.66 15.70 15.70 15.73 15.73 15.85 15.89	—	—	—	—	—	—	—	—	—	—	—	—
26	27133A	15.66	—	—	—	—	—	—	—	—	—	—	—	—
27	27134A 27054	15.66 15.85	—	—	—	—	—	—	—	—	—	—	—	—
28	27135A 27055	15.66 15.85	—	—	—	—	—	—	—	—	—	—	—	—
29	27136A 27056	15.66 15.85	—	—	—	—	—	—	—	—	—	—	—	—
30	27137A 27280* 28280* 27865* 28865* 27057 C5558*	15.66 15.70 15.70 15.73 15.73 15.85 15.89	—	—	—	—	—	—	—	—	—	—	—	—

*Armored

†Triad

▼ Solid conductors

◆ Siamese version

‣ Quad

● Duofoil® shield

■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cable

25 or More Conductors

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
12 AWG *(continued)*														
37	27630A 27540* 28540* 27831	15.66 15.70 15.70 15.85	—	—	—	—	—	—	—	—	—	—	—	—
40	27432* 28432* 27887* 28887*	15.70 15.70 15.73 15.73	—	—	—	—	—	—	—	—	—	—	—	—
50	27634A	15.66	—	—	—	—	—	—	—	—	—	—	—	—
10 AWG														
25	27289* 28289* 27883* 28883* C5579*	15.71 15.71 15.74 15.74 15.90	—	—	—	—	—	—	—	—	—	—	—	—
30	27290* 28290* 27884* 28884* C5580*	15.71 15.71 15.74 15.74 15.90	—	—	—	—	—	—	—	—	—	—	—	—

*Armored
†Triad
▼ Solid conductors
◆ Siamese version
‣ Quad
• Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Multi-conductor and Paired Cables

Combination Gages (Unshielded, Shielded and Partially Shielded)

No. of Conductors or Pairs	Part No.	Conductor/Gage Description	Shielding	Page
Combination Gages				
4	3084A	1pr — 24 AWG 1pr — 22 AWG	Beldfoil® each pair plus braid overall	15.22
	3084F	1pr — 24 AWG 1pr — 22 AWG	Beldfoil each pair plus braid overall	15.22
	3085A	1pr — 24 AWG 1pr — 22 AWG	Beldfoil each pair plus braid overall	15.22
	7895A	1pr — 20 AWG 1pr — 18 AWG	Beldfoil each pair plus braid overall	15.22
	7900A	1pr — 18 AWG 1pr — 16 AWG	Unshielded	15.20
	7896A	1pr — 18 AWG 1pr — 16 AWG	Beldfoil each pair plus braid overall	15.20
	7897A	1pr — 18 AWG 1pr — 15 AWG	Beldfoil each pair plus braid overall	15.20
	3082A	1pr — 18 AWG 1pr — 15 AWG	Beldfoil each pair plus braid overall	15.21
	3083A	1pr — 18 AWG 1pr — 15 AWG	Beldfoil each pair plus braid overall	15.21
	3082F	1pr — 18 AWG 1pr — 15 AWG	Beldfoil each pair plus braid overall	15.21
	3086A	1pr — 20 AWG 1pr — 16 AWG	Individual Beldfoil each pair	15.23
	3124A	2c — 22 AWG 2c — 18 AWG	Overall Beldfoil	15.24
	3125A	2c — 22 AWG 2c — 16 AWG	Overall Beldfoil	15.24
	1502P	1pr — 22 AWG 2c — 18 AWG	Beldfoil Unshielded	12.39
	1502R	1pr — 22 AWG 2c — 18 AWG	Beldfoil Unshielded	12.39
	9155	1pr — 20 AWG 1pr — 18 AWG	Beldfoil Unshielded	5.47
6	8446	4c — 22 AWG 2c — 18 AWG	Unshielded	4.7
	9686	3c — 20 AWG 3c — 16 AWG	Unshielded	4.7
	8786	4c — 24 AWG 2c — 22 AWG	Beldfoil over 4c, Unshielded	4.20
	3126A	2c — 22 AWG 2c — 16 AWG 2c — 12 AWG	Overall Beldfoil	15.24
	27428*	3c — 14 AWG 3c — 12 AWG	Unshielded	15.72
	28428*	3c — 14 AWG 3c — 12 AWG	Unshielded	15.72
	27429*	3c — 14 AWG 3c — 10 AWG	Unshielded	15.72
	28429*	3c — 14 AWG 3c — 10 AWG	Unshielded	15.72
	27430*	3c — 14 AWG 3c — 8 AWG	Unshielded	15.72
	28430*	3c — 14 AWG 3c — 8 AWG	Unshielded	15.72
	27431*	3c — 14 AWG 3c — 6 AWG	Unshielded	15.72

No. of Conductors or Pairs	Part No.	Conductor/Gage Description	Shielding	Page
Combination Gages				
6 *(cont'd)*	28431*	3c — 14 AWG 3c — 6 AWG	Unshielded	15.72
	27890*	3c — 14 AWG 3c — 12 AWG	Unshielded	15.75
	28890* 27891*	3c — 14 AWG 3c — 12 AWG 3c — 14 AWG 3c — 10 AWG	Unshielded Unshielded	15.75 15.75
	28891*	3c — 14 AWG 3c — 10 AWG	Unshielded	15.75
	27892*	3c — 14 AWG 3c — 8 AWG	Unshielded	15.75
	28892*	3c — 14 AWG 3c — 8 AWG	Unshielded	15.75
	27893*	3c — 14 AWG 3c — 6 AWG	Unshielded	15.75
	28893*	3c — 14 AWG 3c — 6 AWG	Unshielded	15.75
	6054*	3c — 14 AWG 3c — 12 AWG	Unshielded	15.91
	6051*	3c — 14 AWG 3c — 10 AWG	Unshielded	15.91
	6059*	3c — 14 AWG 3c — 8 AWG	Unshielded	15.91
	6060*	3c — 14 AWG 3c — 6 AWG	Unshielded	15.91
8	9405	6c — 18 AWG 2c — 16 AWG	Unshielded	4.8
	8448	6c — 22 AWG 2c — 18 AWG	Unshielded	4.8
	9903•	3pr — 28 AWG 1pr — 24 AWG	Individual Beldfoil plus braid	11.18
9	3119A•	3pr — 24 AWG 3c — 18 AWG	Overall Beldfoil plus braid	15.25
10	8787	4c — 24 AWG 4c — 24 AWG 2c — 22 AWG	Red or Green Beldfoil over (2) Quads, Unshielded	4.20
12	7949A	4pr — 24 AWG▼ 4c — 16 AWG	Unshielded	14.8
	7950A	4pr — 24 AWG▼ 4c — 16 AWG	Unshielded	14.8
	7951A	4pr — 24 AWG▼ 4c — 18 AWG	Unshielded	14.8
	7952A	4pr — 24 AWG▼ 4c — 14 AWG	Unshielded	14.8
23	9641	6pr — 26 AWG 10c — 26 AWG 1c — 24 AWG	Overall foil plus braid	4.16

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Multi-conductor and Paired Cables

Partially Shielded Cables (Combination Unshielded and Shielded Conductors)

No. of Conductors	Part No.	Conductor/Gage Description	Shielding	Page
25 AWG				
4	8434	1pr — 25 AWG	Beldfoil®	5.46
		1pr — 25 AWG	Unshielded plus overall foil shield	
22 AWG				
3	8734	1c — 22 AWG	Braid	4.14
		2c — 22 AWG	Unshielded	
	9685	1pr — 22 AWG	Beldfoil	5.46
		1c — 22 AWG	Unshielded	
4	8732	1pr — 22 AWG	Braid	5.23
		1pr — 22 AWG	Unshielded	
	8730	1pr — 22 AWG	Beldfoil	5.46
		1pr — 22 AWG	Unshielded	
	8724	1pr — 22 AWG	Beldfoil	5.46
		1pr — 22 AWG	Unshielded	
5	8788	3c — 22 AWG	Individual Beldfoil	4.20
		2c — 22 AWG	Unshielded	
12	9689	2pr — 22 AWG	Individual Beldfoil plus overall braid	11.21
		4pr — 22 AWG	Unshielded	
	82689	2pr — 22 AWG	Individual Beldfoil plus overall braid	11.21
		4pr — 22 AWG	Unshielded	
20 AWG				
3	8763	1pr — 20 AWG	Beldfoil	5.47
		1c — 20 AWG	Unshielded	
4	8722	1pr — 20 AWG	Beldfoil	5.47
		1pr — 20 AWG	Unshielded	

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‣ Quad
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Paired Cable

No. of Pairs	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
25 AWG and smaller														
1	—	—	—	—	—	—	9271 9180	15.15 6.84 12.28 12.56	—	—	—	—	—	—
2	—	—	—	—	—	—	8132FO	5.14	9804 8132	5.26 5.27	1215A■ 7891A■	11.21 12.29	—	—
3	—	—	—	—	—	—	8133FO	5.14	9805 8133 1538A	5.26 5.27 11.22	—	—	—	—
4	—	—	—	—	—	—	8134FO	5.14	9806 8134	5.26 5.27	7890A■	12.29	—	—
5	—	—	—	—	—	—	8135FO	5.14	9807 8135	5.26 5.27	—	—	—	—
7	—	—	—	—	—	—	—	—	9808	5.26	—	—	—	—
8	—	—	—	—	—	—	8138FO	5.14	8138	5.27	7880A■	12.29	—	—
9	—	—	—	—	—	—	—	—	9809	5.26	—	—	—	—
12	—	—	—	—	—	—	—	—	9812	5.26	7892A■	12.29	—	—
12-1/2	—	—	—	—	—	—	8142FO	5.14	8142	12.55 5.27	—	—	—	—
13	—	—	—	—	—	—	—	—	9813	5.26	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	7893A■	12.29	—	—
18	—	—	—	—	—	—	8148FO	5.14	8148	5.27	—	—	—	—
19	—	—	—	—	—	—	—	—	9819	5.26	—	—	—	—
25	—	—	—	—	—	—	8155FO	5.14	9825 8155 1401A	5.26 5.27 11.23	—	—	—	—
31	—	—	—	—	—	—	—	—	9814	5.26	—	—	—	—
34	—	—	—	—	—	—	—	—	1403A	11.23	—	—	—	—
24 AWG														
1	—	—	—	—	1901A 1800F	12.6 12.10 12.5	9501 82641 88641 1508A 1883A 8641 88641 82641 1800B 1801B	5.11 12.10 5.13 5.16 5.49 12.10 5.13 5.16 5.49 12.10 12.10 5.16 12.10 5.13 5.49 12.10 5.13 5.49 12.10 12.28 14.17 12.28	9841 82841 89841 7200A 7205A 7206A	5.28 5.28 5.52 5.28 5.52 15.38 15.38 15.38	—	—	—	—
2	9562▼ 1588A▼ 1588R▼ 1590A▼ 1227A1▼ 1243A2▼	5.4 11.9 11.9 11.10 11.13 11.13	—	—	—	—	9502 82502 1419A 88102	5.11 5.13 5.49 5.15 5.50	9842 82842 8332 9829 8102	5.28 5.28 5.52 5.29 5.30 5.31	9729 89729	5.35 12.30 15.27 12.31 5.36 5.53	1902A	12.21

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†Triad
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Paired Cable

No. of Pairs	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
24 AWG *(continued)*														
2 *(cont'd)*									7201A	15.38	82729 1802B 8162■ 1509C■	12.31 5.36 5.53 12.28 5.44 12.20		
3	—	—	—	—	—	—	9503 82503 89503 9680 1420A 88103	5.11 5.13 5.49 5.13 5.49 5.15 5.15 5.50	9843 8333 9830 8103 1534A▼ 3120A 7202A	5.28 5.29 5.30 5.31 11.22 15.25 15.38	9730 89730 8163■ 9990	12.30 5.35 12.31 5.36 5.53 5.44 5.37	—	—
4	1875GA 1875GB 1700A▼ 1700R▼ 1701A▼ 1701LC▼ 1752A 1500A▼ 1500R▼ 1501A▼ 1583A▼ 1583R▼ 1583B▼ 1594A▼ 1585A▼ 1585B▼ 1585LC▼ 1592A 1229A1▼ 1245A2▼ 11700A 121700A* 7923A 7924A 7928A 7918A	11.4 11.4 11.6 11.6 14.10 11.6 11.7 11.8 11.8 14.10 11.8 11.9 11.9 14.11 11.9 11.9 11.10 14.11 11.10 11.10 11.11 11.13 11.13 15.7 15.7 15.6 15.7 15.8 15.8	—	—	—	—	9504 82504 89504 9681 1421A 88104 1533R▼ 1533P▼ 1624R▼ 1624P▼ 1633A▼ 7929A 7919A	5.11 5.13 5.49 5.13 5.15 5.15 5.50 11.14 11.14 11.15 11.15 11.16 15.6 15.8	9844 8334 9831 8104 7203A 7921A	5.28 5.29 5.30 5.31 15.38 15.6	9728 89728 8164■ 1408R■ 1510C■ 1803F■	12.30 5.35 12.31 5.36 5.53 5.44 12.19 12.20 12.29	1904A	12.21
5	—	—	—	—	—	—	9505 82505 89505 1422A 88105	5.11 5.13 5.49 5.13 5.49 5.15 5.50	8335 9832 8105	5.29 5.30 5.31	8165■ 89705	5.44 12.31 5.53	—	—
6	9566▼	5.4	—	—	—	—	9506 82506 9682 1423A 88106	5.12 5.13 5.15 5.15 5.50	8336 9839 8106	5.29 5.30 5.31	9731 89731 9991 8166■ 1409R■ 1511C■	12.30 5.35 12.31 5.36 5.53 5.37 5.44 12.19 12.20	1906A	12.23
7	—	—	—	—	—	—	9507	5.12	8337 9833 8107	5.29 5.30 5.31	8167■ 89757	5.44 12.31 5.53	—	—
7-1/2	—	—	—	—	—	—	88107	5.50	—	—	—	—	—	—

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Paired Cable

No. of Pairs	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
24 AWG *(continued)*														
8	1702A◆▼ 1703A◆▼	11.6 11.6	—	—	—	—	9508 1668A▼	5.12 11.16	8108	5.31	8168■ 1410R■ 1512C■ 1805F■	5.45 12.19 12.20 12.29	1908A	12.23
9	—	—	—	—	—	—	9509 82509 9683 88109	5.12 5.13 5.49 5.15 5.50	9834	5.30	9732 89732 9992	12.30 5.35 12.31 5.36 5.53 5.37	—	—
10	9570▼	5.4	—	—	—	—	9510	5.12	8340 9835 8110	5.29 5.30 5.31	8170■	5.45	—	—
11	—	—	—	—	—	—	—	—	—	—	9733	12.30 5.35	—	—
12	—	—	—	—	—	—	—	—	9836	5.30	9734 9993 89734 1411R■ 1513C■ 1806F■	12.30 5.35 5.37 12.31 5.53 12.19 12.20 12.29	1912A	12.23
12-1/2	—	—	—	—	—	—	9684 1424A 82512 88112	5.15 5.15 5.49 5.50	8342 8112	5.29 12.51 5.31	—	—	—	—
15	—	—	—	—	—	—	9515 1425A	5.12 5.15	8345 8115	5.29 5.31	9735 8175■	12.30 5.35 5.45	—	—
16	—	—	—	—	—	—	—	—	—	—	1412R■ 1514C■ 1850F■	12.19 12.20 12.29	1916A	12.23
17	—	—	—	—	—	—	—	—	—	—	9736	12.30 5.35	—	—
18	—	—	—	—	—	—	—	—	8348 9837 8118	5.29 5.30 5.31	8178■ 89758	5.45 12.31 5.53	—	—
18-1/2	—	—	—	—	—	—	88118	5.50	—	—	—	—	—	—
19	—	—	—	—	—	—	9519	5.12	—	—	9737	12.30 5.35	—	—
20	—	—	—	—	—	—	—	—	—	—	1413R■ 1515C■	12.19 12.20	—	—
24	—	—	—	—	—	—	—	—	—	—	1414R■ 1516C■ 1852F■	12.19 12.20 12.29	1924A	12.23
25	9585▼ 1864A▼ 1871A▼ 1232A1▼	5.4 11.12 11.12 11.13	—	—	—	—	9525 88125	5.12 5.50	8355 9838 8125	5.29 5.30 5.31	9995 8185■	5.37 5.45	—	—
26	—	—	—	—	—	—	—	—	—	—	1415R■ 1517C■	12.19 12.20	—	—
27	—	—	—	—	—	—	—	—	—	—	9738	12.30 5.35	—	—
32	—	—	—	—	—	—	—	—	—	—	1416R■ 1518C■ 1854F■	12.19 12.20 12.29	1932A	12.23
50	—	—	—	—	—	—	9550	5.12	—	—	—	—	—	—
52	—	—	—	—	—	—	—	—	—	—	1519C■	12.20	—	—

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Paired Cable

No. of Pairs	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
23 AWG														
4	7851A▼ 7852A▼ 1872A▼ 1874A▼ 7881A▼ 7882A▼ 7883A▼ 11872A 121872A	11.3 11.3 11.4 11.4 11.5 14.9 11.5 14.9 11.5 15.9 15.9	—	—	—	—	—	—	—	—	—	—	—	—
22 AWG														
1	8740▼ 88442 82442 9407	5.4 4.4 4.23 5.6 5.48 4.4 4.23 5.6 5.48 15.41	8737	5.24	8437▼ 8441	5.23 5.23	8450▼ 9414 9462 8761 9461 8451 9451 1266A 1503A 88761 87761 82761 9182● 89182● 3077F 3078F 9322	12.11 5.18 5.18 12.12 5.18 12.12 5.18 12.11 5.19 12.11 5.19 12.11 5.19 12.11 5.19 12.12 5.20 5.51 12.12 5.20 5.51 12.12 5.20 5.51 15.15 6.84 15.15 6.84 15.19 15.19 15.41	3079A 3105A 1696A	15.19 15.26 12.27	—	—	—	—
1-1/2	—	—	—	—	—	—	—	—	3106A	15.26	—	—	—	—
2	8741▼ 9744 88741 82741	5.4 5.5 5.6 5.48 5.6	—	—	—	—	9302▼ 9184▼ 3000A 9512	5.17 5.17 15.41 15.41	8302 9855▼ 1268A▼ 89855▼ 1269A▼ 9696▼ 89696▼ 3107A	5.32 5.33 5.33 5.33 5.52 5.33 5.33 5.33 5.52 15.26	9406 8723 82723 88723 87723 8728■ 9688■▼ 82688■▼ 1634A■▼ 3087A	5.38 12.13 14.18 15.27 5.38 12.13 5.38 5.54 12.13 15.27 5.38 5.54 12.13 5.38 5.54 5.46 11.20 11.20 11.20 15.23	—	—

*Armored
†Triad
▼ Solid conductors
◆ Siamese version
‣ Quad
● Duofoil® shield
■ Individually shielded pairs or triads, plus overall foil, overall braid or overall foil and braid.

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Paired Cable

No. of Pairs	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
22 AWG *(continued)*														
2 *(cont'd)*											9451D◆ 1504A◆ 9328 3001A■ 1814R■	12.14 12.14 5.19 15.42 15.42 12.22		
3	8742▼ 9745 82742	5.4 5.5 5.6 5.48	—	—	—	—	9513	15.41	8303 3108A	5.32 15.26	8767▼ 8777 82777 88777 87777 9329	5.37 12.24 15.27 5.40 12.25 5.41 5.54 12.25 5.41 5.54 12.25 5.41 5.54 15.42	—	—
4	8757▼ 9746 88757 82757	5.4 5.5 5.6 5.48 5.6 5.48	—	—	—	—	9305▼ 3004A 9514	5.17 15.41 15.41	8304 3109A	5.32 15.26	9330 3005A■ 1815R■ 1217B	15.42 15.42 12.22 12.23	—	—
5	—	—	—	—	—	—	—	—	8305	5.32	—	—	—	—
6	8743▼ 8747 82743	5.4 5.5 5.6 5.48	—	—	—	—	9306▼ 9516	5.17 15.41	8306	5.32	8768▼ 8778 82778 88778 87778 9331 1816R■ 1218B	5.37 12.24 5.40 12.25 5.41 5.54 12.25 5.41 5.54 12.25 5.41 5.54 15.42 12.22 12.23	—	—
7	—	—	—	—	—	—	—	—	8307	5.32	—	—	—	—
8	9160▼	5.4	—	—	—	—	3006A	15.41	8308	5.32	3007A■ 1817R■	15.42 12.22	—	—
9	8744▼ 8748	5.4 5.5	—	—	—	—	9309▼ 9520	5.17 15.41	—	—	8764▼ 8774 9332 1219B	5.37 12.24 5.40 15.42 12.23	—	—
10	—	—	—	—	—	—	—	—	8310	5.32	—	—	—	—
11	—	—	—	—	—	—	9521	15.41	—	—	8765▼ 8775 9333	5.37 12.24 5.40 15.42	—	—
12	9747	5.5	—	—	—	—	3008A	15.41	—	—	9768 3009A■ 1818R■ 1220B	12.24 5.40 15.42 12.22 12.23	—	—
12-1/2	—	—	—	—	—	—	—	—	8312	5.32	—	—	—	—

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◆ Siamese version
‣ Quad
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Paired Cable

No. of Pairs	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
22 AWG *(continued)*														
15	8749	5.5	—	—	—	—	9315▼ 9524	5.17 15.41	8315	5.32	8766▼ 8776	5.37 12.24 5.40	—	—
16	—	—	—	—	—	—	3010A	15.41	—	—	3011A■ 1819R■ 1222B	15.42 12.22 12.23	—	—
17	—	—	—	—	—	—	—	—	—	—	9769	12.24 5.40	—	—
18	—	—	—	—	—	—	—	—	8318	5.32	—	—	—	—
19	9748	5.5	—	—	—	—	9319▼ 9526	5.17 15.41	—	—	8769 9335	12.24 5.40 15.42	—	—
20	—	—	—	—	—	—	—	—	—	—	1820R■ 1225B	12.22 12.23	—	—
24	—	—	—	—	—	—	3012A	15.41	—	—	3013A■ 1821R■ 1427B	15.42 12.22 12.23	—	—
25	—	—	—	—	—	—	—	—	8325	5.32	—	—	—	—
26	—	—	—	—	—	—	—	—	—	—	1822R■	12.22	—	—
27	8750	5.5	—	—	—	—	9327▼ 9527	5.17 15.41	—	—	8773	12.24 5.40	—	—
28	—	—	—	—	—	—	—	—	—	—	1221B	12.23	—	—
32	—	—	—	—	—	—	—	—	—	—	1823R■ 1226B	12.22 12.23	—	—
37	—	—	—	—	—	—	—	—	—	—	9767	12.24 5.40	—	—
38	—	—	—	—	—	—	8752▼	5.18	—	—	—	—	—	—
50	—	—	—	—	—	—	3014A	15.41	—	—	3015A■	15.42	—	—
51	—	—	—	—	—	—	8751▼ 9551	5.17 15.41	—	—	9337	15.42	—	—
52	—	—	—	—	—	—	—	—	—	—	1428B	12.23	—	—
20 AWG														
1	8205 9408	12.36 15.43	8759	12.14	—	—	8762 9464 9154 9320 1033A 3111A 3112A 3113A 83955 83950 83952 83954	12.14 5.20 12.14 5.20 12.14 5.20 15.43 15.43 15.53 15.53 15.53 15.54 15.54 15.54 15.54	9463 9463DB 89463 129463* 139463* 189463*	15.13 6.83 15.13 15.13 15.14 15.14 15.14	22671■ 23543*■ 26530*■	15.76 15.78 15.78	—	—
2	—	—	—	—	—	—	—	—	—	—	9402 1075A■ 3115A■ 22638■ 23534*■ 26531*■	5.41 15.43 15.53 15.76 15.78 15.78	—	—
3	9750	5.7	—	—	—	—	—	—	—	—	9883 9873	5.41 5.42	—	—
4	—	—	—	—	—	—	85164 1056A 1102A	5.11 15.43 15.53	—	—	8725 9901●■ 89901●■ 1076A■ 1112A■	5.47 11.18 11.18 15.43 15.53	—	—

*Armored
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‣ Quad
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Paired Cable

No. of Pairs	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
20 AWG *(continued)*														
4 *(cont'd)*											1006A■ 1012A■ 22639■ 23514*■ 26532*■	15.53 15.53 15.76 15.78 15.78		
5	—	—	—	—	—	—	—	—	—	—	9902•■	11.18	—	—
6	9751	5.7	—	—	—	—	—	—	—	—	9886 9874 22640■ 23513*■ 26533*■	5.41 5.42 15.76 15.78 15.78	—	—
8	—	—	—	—	—	—	85168 1057A 1001A 1103A	5.11 15.43 15.53 15.53	—	—	1077A■ 1007A■ 1013A■ 22641■ 23503*■ 26534*■	15.43 15.53 15.53 15.76 15.78 15.78	—	—
9	9752	5.7	—	—	—	—	—	—	—	—	9875	5.42	—	—
11	—	—	—	—	—	—	—	—	—	—	9876	5.42	—	—
12	—	—	—	—	—	—	1058A 1002A	15.43 15.43	—	—	9877 1078A■ 1008A■ 1014A■ 1025A■ 22676■ 23521*■ 26535*■	5.42 15.43 15.53 15.53 15.53 15.76 15.78 15.78	—	—
15	9755	5.7	—	—	—	—	—	—	—	—	9879	5.42	—	—
16	—	—	—	—	—	—	1059A	15.43	—	—	1079A■ 1009A■ 1015A■ 22643■ 23532*■ 26536*■	15.43 15.53 15.53 15.76 15.78 15.78	—	—
20	—	—	—	—	—	—	—	—	—	—	1091A■	15.43	—	—
24	—	—	—	—	—	—	1060A	15.43	—	—	1080A■ 1016A■ 22647■ 23506*■ 26537*■	15.43 15.53 15.76 15.78 15.78	—	—
36	—	—	—	—	—	—	1061A	15.43	—	—	1081A■ 1017A■ 22670■ 23544*■ 26538*■	15.43 15.53 15.76 15.78 15.78	—	—
50	—	—	—	—	—	—	1062A	15.43	—	—	1082A■ 23575*■ 26546*■	15.43 15.78 15.78	—	—
19 AWG														
1	8486	5.7	—	—	—	—	—	—	—	—	—	—	—	—
18 AWG														
1	8461 9740 89740 87740 82740	12.36 5.7 5.8 5.9 5.48 5.9 5.48 5.9 5.48	8790	12.15 5.24	8208	5.23	8760 9460 88760 87760	12.15 5.21 12.15 5.21 12.15 5.21 5.51 12.15 5.21 5.51	3073F 3074F	15.16 15.16	22645■ 23533*■ 26514*■ 22417■ 24511*■ 25506*■	15.76 15.78 15.78 15.80 15.81 15.81	—	—

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Paired Cable

No. of Pairs	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
18 AWG *(continued)*														
1 *(cont'd)*	9409 9486	15.45 15.56					82760 3076F 9318 1032A 9341 1120A 3088A	12.15 5.21 5.51 15.19 15.45 15.46 15.56 15.56 15.56						
2	9156	5.8	—	—	—	—	9552 3025A 1063A	15.45 15.46 15.56	—	—	9368 1474A■ 1048A■ 22633■ 23511*■ 26515*■ 22405■ 24512*■ 25514*■	15.45 15.46 15.56 15.76 15.78 15.78 15.80 15.81 15.81	—	—
3	8690	5.8	—	—	—	—	9553 1529A	15.45 15.46	—	—	9773 9369	5.42 15.45	—	—
4	9157	5.8	—	—	—	—	9554 1466A 1064A	15.45 15.46 15.56	—	—	3029A 9388 1475A■ 1049A■ 22648■ 23530*■ 26516*■ 22404■ 24513*■ 25503*■	15.45 15.45 15.46 15.56 15.76 15.78 15.78 15.80 15.81 15.81	—	—
5	9159	5.8	—	—	—	—	—	—	—	—	—	—	—	—
6	8691	5.8	—	—	—	—	9556	15.45	—	—	9774 9389 22634■ 23528*■ 26517*■	5.42 15.45 15.76 15.78 15.78	—	—
8	9161	5.8	—	—	—	—	1467A 1065A	15.46 15.56	—	—	1476A■ 1050A■ 22635■ 23531*■ 26518*■ 22418■ 24514*■ 25505*■	15.46 15.56 15.76 15.78 15.78 15.80 15.81 15.81	—	—
9	8692	5.8	—	—	—	—	9559	15.45	—	—	9775 9390	5.42 15.45	—	—
11	—	—	—	—	—	—	9563	15.45	—	—	9391	15.45	—	—
12	9741	5.8	—	—	—	—	1468A 1066A	15.46 15.56	—	—	9776 1477A■ 1051A■ 22636■ 23524*■ 26519*■ 22421■ 24515*■ 25501*■	5.42 15.46 15.56 15.76 15.78 15.78 15.80 15.81 15.81	—	—
15	9742	5.8	—	—	—	—	9565	15.45	—	—	9777 9392	5.42 15.45	—	—
16	—	—	—	—	—	—	3034A 1067A	15.46 15.56	—	—	3035A■ 1052A■ 22654■	15.46 15.56 15.76	—	—

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Paired Cable

No. of Pairs	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
18 AWG *(continued)*														
16 *(cont'd)*											23519*■ 26520*■	15.78 15.78		
19	9743	5.8	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	1471A 1068A	15.46 15.56	—	—	1480A■ 1053A■ 22637■ 23542*■ 26521*■ 22419■ 24520*■ 25517*■	15.46 15.56 15.76 15.78 15.78 15.80 15.81 15.81	—	—
36	—	—	—	—	—	—	1472A 1087A	15.46 15.56	—	—	1481A■ 1054A■ 23554*■ 26555*■	15.46 15.56 15.78 15.78	—	—
50	—	—	—	—	—	—	3041A 1088A	15.46 15.56	—	—	3042A■ 1038A■	15.46 15.56	—	—
16 AWG														
1	8471 9410 1035A 9487	12.36 5.9 15.48 15.48 15.58	8780	12.16 5.24	—	—	8719 9316 1030A 1101A 1000A 1018A 1023A 1114A 1115A 1116A 1117A 83951 83953 9342 1118A 3090A	12.16 5.22 15.48 15.48 15.53 15.53 15.53 15.53 15.54 15.54 15.54 15.54 15.54 15.54 15.58 15.58 15.58	—	—	22646■ 23501*■ 26500*■ 22416■ 24500*■ 25504*■	15.77 15.79 15.79 15.80 15.81 15.81	—	—
2	3082K 3082KP	15.22 15.22	—	—	—	—	3043A 1069A	15.48 15.58	—	—	1492A■ 1055A■ 22628■ 23527*■ 26501*■ 22409■ 24505*■ 25510*■	15.48 15.58 15.77 15.79 15.79 15.80 15.81 15.81	—	—
3	—	—	—	—	—	—	1528A 1527A	15.48 15.58	—	—	1037A■	15.58	—	—
4	—	—	—	—	—	—	1484A 1070A	15.48 15.58	—	—	1493A■ 1039A■ 22629■ 23509■ 26503*■ 22410■ 24502*■ 25511*■	15.48 15.58 15.77 15.79 15.79 15.80 15.81 15.81	—	—
6	—	—	—	—	—	—	—	—	—	—	1040A■ 22630■ 23500*■ 26504*■ 22446■ 24506*■ 25512*■	15.58 15.77 15.79 15.79 15.80 15.81 15.81	—	—

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Paired Cable

No. of Conductors	Unshielded		Spiral Shield		Braid Shield		Overall Beldfoil®		Overall Foil/Braid		Individual Beldfoil		Individual Braid	
	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page	Part No.	Page
16 AWG *(continued)*														
8	—	—	—	—	—	—	1485A 1071A	15.48 15.58	—	—	1494A■ 1041A■ 22631■ 23510*■ 26505 22411■ 24503*■ 25513*■	15.48 15.58 15.77 15.79 15.79 15.80 15.81 15.81	—	—
12	—	—	—	—	—	—	1486A 1072A	15.48 15.58	—	—	1495A■ 1042A■ 22632■ 23525*■ 26506*■ 22412■ 24504*■ 25518*■	15.48 15.58 15.77 15.79 15.79 15.80 15.81 15.81	—	—
16	—	—	—	—	—	—	3050A 1073A	15.48 15.58	—	—	3051A■ 1043A■ 22685■ 23539*■ 26507*■	15.48 15.58 15.77 15.79 15.79	—	—
20	—	—	—	—	—	—	—	—	—	—	1044A■	15.58	—	—
24	—	—	—	—	—	—	1489A 1074A	15.48 15.58	—	—	1498A■ 1045A■ 22686■ 23538*■ 26508*■ 22447■ 24510*■ 25519*■	15.48 15.58 15.77 15.79 15.79 15.80 15.81 15.81	—	—
36	—	—	—	—	—	—	1490A 1089A	15.48 15.58	—	—	1499A■ 1046A■ 23568*■ 26551*■	15.48 15.58 15.79 15.79	—	—
50	—	—	—	—	—	—	3056A 1090A	15.48 15.58	—	—	3057A■ 1047A■	15.48 15.58	—	—
14 AWG														
1	8473 9411 9488 3080A	12.36 5.9 15.50 15.60 15.60	—	—	—	—	8720 9314 9343	12.16 5.22 15.50 15.60	—	—	—	—	—	—
12 AWG														
1	8477 9412 9489	12.36 5.9 15.51 15.61	—	—	—	—	8718 9312 9344 3103A	12.16 5.22 15.51 15.61 15.61	—	—	—	—	—	—

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Belden

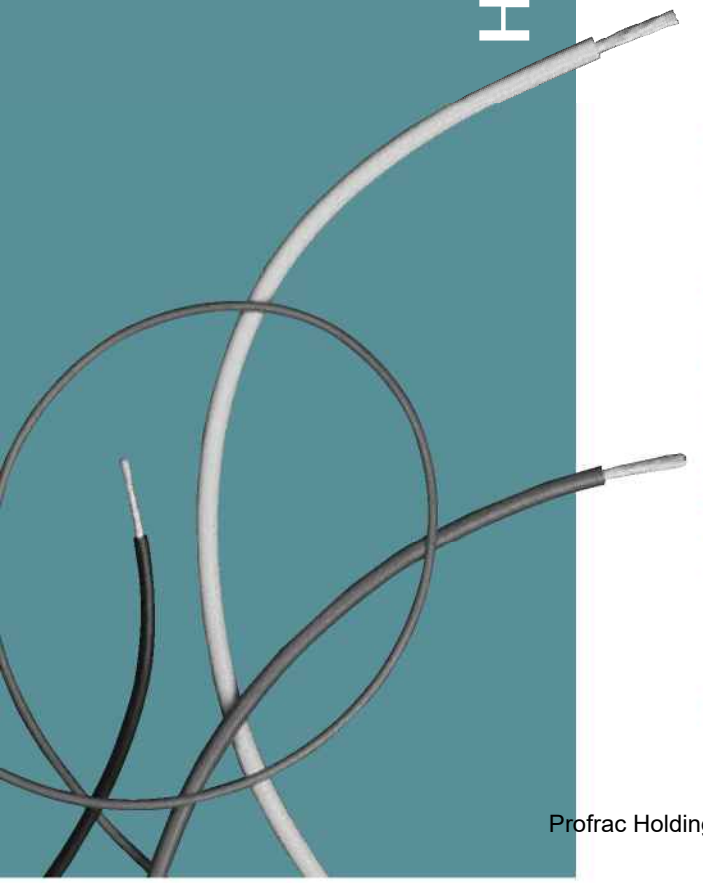


3 Hook-Up and Lead Wire

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Hypalon and Teflon are DuPont trademarks.



Please refer to "Terms of Use of Master Catalog" on page 16.30.

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Introduction

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Belden® hook-up and lead wire products are manufactured in a variety of materials, sizes and designs to meet rigid industry and government specifications. Manufactured in-house, our hook-up and lead wire manufacturing process begins with copper rod. Our rubber formulation and plastic mixing facilities give us complete control of the product from start to finish. As a result, consistent quality of these products is always assured.

Our hook-up and lead wire products can be used in a wealth of applications including inter-connection circuits, internal wiring of computer and data processing equipment, appliances, lighting, motor leads, heating and cooling equipment, harness fabrication and automotive.

Most of our hook-up and lead wire constructions are available from stock in a wide variety of colors and packages. Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find hook-up or lead wire in this catalog section that meets your technical requirements, contact Technical Support at 1-800-BELDEN-1.

Special Ordering Information

Number Printed Wire

Thermosetting and thermoplastic constructions can be supplied with printed numbers. Price and delivery information is available upon request.

Hypalon and Neoprene Constructions

These constructions may require a special topcoat to facilitate printing by customers. Minimum order is 5000′ per AWG. Please order the standard item and specify "Top-Coated" and specify color. Orders must be in multiples of standard packages. Price and delivery information is available upon request.

Manufacturer's Identification

Identification of the hook-up and lead wire is provided by our UL and CSA files numbers or printed name on the wire jacket.

UL/CSA	File Number	Style
UL	E-12683	1XXX, 2XXX, 3XXX, 4XXX, 5XXX
	E-9147	GTO 10
	E-6934	SF-1, SFF-1, SF-2, SFF-2
	E-3197	SIS
CSA	LL-7874	All Types

Appliance Wiring Material (AWM)

Appliance Wiring Material is Underwriter Laboratories, Inc.'s recognized covering of insulated wire and cable intended for internal wiring of appliances and equipment. Each construction satisfies the requirements for use in particular applications. Wiring materials recognized under this classification bear the Underwriters' "Appliance Wiring Material Label."

UL & CSA Type by Belden Series

UL Style*	CSA Type	Belden Series Number	Temp. Rating	Page No.
1007	TR-64	328, 99	80°C	3.4
1015	TEW	327, 99, 89	105°C	3.5
1028	TEW	99, 89	105°C	3.6
1061	AWM	99	80°C	3.3
1180	—	830	200°C	3.9
1213	—	830	105°C	3.10
1283	TEW	99	105°C	3.6
1371	—	830	105°C	3.11
1569	TRSR-64	99	105°C	3.4
1855	—	—	80°C	3.24
3044	CL902	315	90°C	3.18
3046	CL903	315, 325	90°C	3.18
3048	CL902	315	90°C	3.18
3049	CL902	315	90°C	3.18
3069	SEWF-2	308	150°C	3.21
3070	SEWF-2	308	150°C	3.21
3071	SEW-2	324	200°C	3.20
3074	SEW-2	324	200°C	3.20
3075	SEW-2	324	200°C	3.20
3101	SEWF-2	308	150°C	3.21
3123	—	340	150°C	3.21
3125	SEW-2	308	200°C	3.20
3126	SEW-2	308	200°C	3.20
3135	—	334	200°C	3.19
3173	CL1251	356	125°C	3.14
3190	CL1052	349	105°C	3.17
3191	CL1052	344	105°C	3.16
3192	CL1052	344	105°C	3.16
3193	CL1052	344	105°C	3.16
3195	CL1251	356	125°C	3.14
3196	CL1251	356	125°C	3.14
3199	CL1054	357	105°C	3.14
3212	AWM	333	150°C	3.19
3213	AWM	333	150°C	3.19
3214	AWM	333	150°C	3.19
3239	—	—	80°C	3.22
3321	AWM	354	150°C	3.15
3340	CL1254	371	150°C	3.12
3374	CL1254	371	150°C	3.12
3436	CL1251	354	150°C	3.15
3484	AWM	372	125°C	3.13
3499	—	375	150°C	3.13
GTO-10	GTO-10	390	105°C	3.24
SIS	—	310	90°C	3.15

*These UL Styles are the Belden product which are listed in this catalog.

Hypalon and Teflon are DuPont trademarks.

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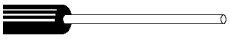
PVC

UL AWM Style 1061
300V, 80°C
(CSA AWM)

Product Description

Tinned copper, semi-rigid PVC insulated (solid conductors suitable for wire wrap applications).

Solid Conductor



Stranded Conductor



Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
300V, 80°C (UL & CSA)										
UL AWM Style 1061 • CSA AWM										
9978	30 (solid)	.010	.25	.030	.76	100	30.5	.1	.05	1–5, 7–10, 13
						1000	304.8	1.0	.50	1–5, 7–10, 13
9987	30 (7x38)	.010	.25	.032	.81	100	30.5	.1	.05	2, 7–10
						1000	304.8	3.0	1.40	2, 7–10
9977	28 (solid)	.010	.25	.033	.84	100	30.5	.1	.05	1–5, 7–10, 13
						1000	304.8	1.0	.50	1–5, 7–10, 13
9986	28 (7x36)	.010	.25	.035	.89	100	30.5	.1	.05	1–5, 7–10, 13
						1000	304.8	3.0	1.40	1–5, 7–10, 13
						10000	3048.0	10.0	4.50	1–5, 7–10, 13
9976	26 (solid)	.010	.25	.036	.91	100	30.5	.2	.10	1–5, 7–10, 13
						1000	304.8	2.0	.90	1–5, 7–10, 13
9985	26 (7x34)	.010	.25	.039	.99	100	30.5	.2	.10	1–5, 7–10, 13
						1000	304.8	2.0	.90	1–5, 7–10, 13
						5000	1524.0	10.0	4.50	1–5, 7–10, 13
						10000	3048.0	20.0	9.10	1–5, 7–10, 13
9975	24 (solid)	.010	.25	.040	1.02	100	30.5	.2	.10	1–5, 7–10, 13
						1000	304.8	4.0	1.80	1–5, 7–10, 13
						5000	1524.0	10.0	4.50	1–5, 7–10, 13
						10000	3048.0	20.0	9.10	1–5, 7–10, 13
9984	24 (7x32)	.010	.25	.044	1.12	100	30.5	.2	.10	1–5, 7–10, 13
						1000	304.8	3.0	1.40	1–5, 7–10, 13
						5000	1524.0	10.0	4.50	1–5, 7–10, 13
						10000	3048.0	20.0	9.10	1–5, 7–10, 13
9979	22 (solid)	.010	.25	.047	1.19	1000	304.8	4.0	1.80	1–5, 7–10, 13
						5000	1524.0	15.0	6.80	1–5, 7–10, 13
						10000	3048.0	30.0	13.60	1–5, 7–10, 13
9983	22 (7x30)	.010	.25	.050	1.27	100	30.5	.3	.10	1–5, 7–10, 13
						1000	304.8	4.0	1.80	1–5, 7–10, 13
						5000	1524.0	15.0	6.80	1–5, 7–10, 13
						10000	3048.0	30.0	13.60	1–5, 7–10, 13
9982	20 (7x28)	.010	.25	.057	1.45	100	30.5	.5	.20	1–5, 7–10, 13
						1000	304.8	5.0	2.30	1–5, 7–10, 13
						5000	1524.0	25.0	11.40	1–5, 7–10, 13
9917	20 (10x30)	.010	.25	.056	1.42	1000	304.8	5.0	2.30	1–5, 7–10, 13
						5000	1524.0	20.0	9.10	1–5, 7–10, 13
9911	18 (16x30)	.010	.25	.067	1.70	1000	304.8	7.0	3.20	1–5, 7–10, 13
						5000	1524.0	35.0	15.90	1–5, 7–10, 13
9981	18 (19x30)	.010	.25	.066	1.68	100	30.5	.8	.40	1–5, 7–10, 13
						1000	304.8	7.0	3.20	1–5, 7–10, 13
9980	16 (19x28)	.010	.25	.078	1.98	100	30.5	1.3	.60	1–5, 7–10, 13
						1000	304.8	12.0	5.50	1–5, 7–10, 13
9909	16 (26x30)	.010	.25	.080	2.03	100	30.5	1.2	.50	1–5, 7–10, 13
						1000	304.8	12.0	5.50	1–5, 7–10, 13
						5000	1524.0	50.0	22.70	1–5, 7–10, 13

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PVC

UL AWM Style 1007 300V, 80°C

(JQA-F-)
VW-1

Product Description

Tinned copper, PVC insulated. Rated 80°C, 300V. Rated 600V peak for electronic circuits, and internal wiring of electronic and electrical equipment.



UL and CSA Dual-Rated Wire

UL AWM Style 1007 — 300V, 80°C
(CSA Type TR-64, 90°C)

UL AWM Style 1569 — 300V, 105°C
(CSA Type TRSR-64, 105°C)

(JQA-F- [except 9989])
VW-1

Product Description

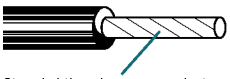
Tinned copper, PVC insulated. Rated 105°C, 300V. Rated 600V peak for electronic circuits, and internal wiring of electronic and electrical equipment.



UL AWM Style 1007 300V, 80°C

(CSA Type TR-64, 90°C)
(JQA-F-)
VW-1

Recommended maximum baking cycles:
24 hours @ 300°F (149°C)



Stranded tinned copper conductor
(Uni-Strand®)

Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
300V, 80°C (UL)										
UL AWM Style 1007 • JQA-F-										
9930	30 (7x38)	.015	.38	.044	1.12	100	30.5	.2	.1	1–5, 7–10, 13
						1000	304.8	2.0	.9	1–5, 7–10, 13
Dual-Rated • 300V, 80°C and 300V, 105°C (UL & CSA)										
UL AWM Style 1007 and 1569 • CSA Types TR-64 and TRSR-64 • JQA-F-										
9928	28 (7x36)	.015	.38	.047	1.19	100	30.5	.2	.1	1–5, 7, 9, 10, 13
						1000	304.8	2.0	.9	1–5, 7–10, 13
						5000	1524.0	10.0	4.5	1–5, 7– 10, 13
9926	26 (7x34)	.015	.38	.051	1.30	100	30.5	.2	.1	1–5, 7–10, 13
						1000	304.8	3.0	1.4	1–5, 7–10, 13
						5000	1524.0	10.0	4.5	1–5, 7–10, 13
9923	24 (7x32)	.015	.38	.056	1.42	100	30.5	.3	.1	1–5, 7–10, 13
						1000	304.8	4.0	1.8	1–5, 7–10, 13
						5000	1524.0	15.0	6.8	1–5, 7–10, 13
9921	22 (7x30)	.015	.38	.062	1.57	100	30.5	.4	.2	1–10, 13
						1000	304.8	5.0	2.3	1–10, 13
						5000	1524.0	20.0	9.1	1–10, 13
9919	20 (7x28)	.015	.38	.069	1.75	100	30.5	.7	.3	1–5, 7–10, 13
						1000	304.8	6.0	2.7	1–5, 7–10, 13
9920	20 (10x30)	.015	.38	.067	1.70	1000	304.8	6.0	2.7	1–10, 13
						5000	1524.0	25.0	11.4	1–10, 13
9918	18 (16x30)	.015	.38	.079	2.01	100	30.5	.9	.4	1–10, 13
						1000	304.8	8.0	3.6	1–10, 13
						5000	1524.0	40.0	18.2	1–10, 13
9916	16 (26x30)	.015	.38	.092	2.34	100	30.5	1.3	.6	1–5, 7–10, 13
						1000	304.8	12.0	5.5	1–5, 7–10, 13
						5000	1524.0	55.0	25.0	1–5, 7–10, 13
UL AWM Style 1569 • CSA Type TR-64 and TRSR-64										
9989	14 (41x30)	.015	.38	.110	2.79	1000	304.8	17.0	7.7	1–5, 7–10, 13
						5000	1524.0	85.0	38.6	1–5, 7–10, 13
300V, 80°C (UL) • **300V, 90°C** (CSA)										
UL AWM Style 1007 • CSA Type TR-64 • JQA-F-										
32822	22 (7x30) [.36 (7x.25)]	.015	.38	.062	1.58	5000†	1524.0	25.0	11.4	1–5, 7–9, 10, 13
32820	20 (7x28) [.56 (7x.32)]	.015	.38	.068	1.73	5000†	1524.0	30.0	13.6	9, 10

†Spools may contain more than one piece. Length may vary ±10% from length shown.

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PVC

UL AWM Style 1015 600V, 105°C
(CSA Type TEW)
(JQA-F-)
VW-1

Product Description

Tinned copper, PVC insulated. Rated 105°C, 600V. Rated 2500V peak for electronic circuits, and internal wiring of electronic and electrical equipment.



Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
600V, 105°C (UL & CSA)										
UL AWM Style 1015 • CSA Type TEW • JQA-F-										
9924	24 (7x32)	.030	.76	.088	2.24	100	30.5	.7	.3	1–5, 9, 10, 13
						1000	304.8	6.0	2.7	1–5, 7–10, 13
						5000	1524.0	25.0	11.4	1–5, 7–10, 13
8920	22 (7x30)	.030	.76	.093	2.36	100	30.5	.8	.4	1–5, 9, 10, 13
						1000	304.8	7.0	3.2	1–5, 7–10, 13
						5000	1524.0	30.0	13.6	1–5, 7–10, 13
8919	20 (10x30)	.030	.76	.100	2.54	100	30.5	.9	.4	1–5, 9, 10, 13
						1000	304.8	8.0	3.6	1–5, 7–10, 13
						5000	1524.0	40.0	18.2	1–5, 7–10, 13
8918	18 (16x30)	.030	.76	.110	2.79	100	30.5	1.2	.5	1–5, 9, 10, 13, 189
						1000	304.8	10.0	4.5	1–5, 7–10, 13, 189
						5000	1524.0	50.0	22.7	1–5, 7–10, 13
8915	18 (solid)	.030	.76	.105	2.67	1000	304.8	10.0	4.5	1–5, 7–10, 13
						5000	1524.0	50.0	22.7	1–5, 7–10, 13
8917	16 (26x30)	.030	.76	.123	3.12	100	30.5	2.2	1.0	1–5, 9, 10, 13, 189
						500	152.4	8.0	3.6	1–5, 9, 10, 13
						1000	304.8	14.0	6.4	1–5, 7–10, 13, 189
						5000	1524.0	70.0	31.8	1–5, 7–10, 13
8916	14 (41x30)	.030	.76	.138	3.51	100	30.5	2.8	1.3	1–5, 7–10, 13, 189
						500	152.4	10.5	4.8	1–5, 7–10, 13, 189
						4000	1219.2	80.0	36.4	1–5, 7–10, 13
9912	12 (65x30)	.030	.76	.158	4.01	100	30.5	3.7	1.7	1–5, 7–10, 13
						250	76.2	7.8	3.5	1–5, 7–10, 13
						2000	609.6	60.0	27.3	1–5, 7–10, 13
9910	10 (65x28)	.030	.76	.180	4.57	100	30.5	5.1	2.3	2, 4, 9, 10
						250	76.2	11.8	5.3	2, 4, 9, 10
						2000	609.6	86.0	39.1	2, 9, 10
8910	10 (105x30)	.030	.76	.186	4.72	500	152.4	23.5	10.7	1–5, 7–10, 13
						2000	609.6	92.0	41.8	1–5, 7–10, 13

UL AWM Style 1015 600V, 105°C
(CSA Type TEW)
(JQA-F-)
VW-1

Product Description

Uni-Strand® conductors.

Recommended maximum baking cycles:
48 hours @ 275°F (135°C) • 24 hours @ 300°F (149°C)



Stranded tinned copper conductor (Uni-Strand®)

Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
600V, 105°C (UL & CSA)										
UL AWM Style 1015 • CSA Type TEW • JQA-F-										
32722	22 (7x30) [.36 (7x.25)]	.030	.76	.093	2.36	5000	1524.0	30.0	13.6	2, 4, 8, 9, 10, 13
32720	20 (7x28) [.56 (7x.32)]	.030	.76	.099	2.52	4000	1219.2	32.0	14.5	1–5, 9, 10, 12, 13
32718	18 (7x26) [.90 (7x.40)]	.030	.76	.108	2.74	4000	1219.2	44.0	20.0	2–5, 7, 9, 10, 13

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PVC

UL AWM Style 1028 and 1015 600V, 105°C

(CSA Type TEW)

VW-1

Product Description

Tinned copper, PVC insulated.



Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
600V, 105°C (UL & CSA)										
UL AWM Style 1028 and 1015 • CSA Type TEW										
9908	8 (84x27)	.045	1.14	.250	6.35	100	30.5	8.4	3.8	2, 4, 9, 10
						250	76.2	19.0	8.7	2, 4, 9, 10
8908	8 (133x29)	.045	1.14	.262	6.65	250	76.2	20.0	9.1	1–5, 7–10, 13
						1500	457.2	114.0	51.8	2–5, 7–10, 13

UL AWM Style 1283 and 1015 600V, 105°C

(CSA Type TEW)

VW-1

Product Description

Tinned copper, PVC insulated.



600V, 105°C (UL & CSA)										
UL AWM Style 1283 and 1015 • CSA Type TEW										
9906	6 (133x27)	.060	1.52	.331	8.41	100	30.5	13.5	6.1	1–5, 7–10, 13
						1000	304.8	122.0	55.5	1–5, 7–10, 13
9904	4 (133x25)	.060	1.52	.392	9.96	50	15.2	11.2	5.1	1–5, 7–10, 13
						500	152.4	100.5	45.7	1–5, 7–10, 13

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PVC

(Type MW) MIL-W-76C-PVC 1000V, 80°C*

Product Description

Tinned copper, PVC insulated, medium wall. The extruded PVC insulation is flame and ozone resistant and inert to most chemicals, oils, and solvents. Covers single conductor, PVC insulated hook-up wire for internal wiring of electrical and electronic equipment.

Solid Conductor



Stranded Conductor



Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
1000V, 80°C (MIL-Spec)										
(Type MW) MIL-W-76C-PVC										
8538	24 (solid)	.017	0.43	.055	1.40	100	30.5	.3	.1	1–13
	MW-C24 (1) A					1000	304.8	3.0	1.4	1–10
8525	24 (7x32)	.017	0.43	.058	1.47	100	30.5	.3	.1	1–22
	MW-C24 (7) A					1000	304.8	4.0	1.8	1–22
8530	22 (solid)	.017	0.43	.059	1.50	100	30.5	.4	.2	1–13
	MW-C22 (1) A					1000	304.8	4.0	1.8	1–13
8524	22 (7x30)	.017	0.43	.064	1.63	100	30.5	.4	.2	1–22, 24–30
	MW-C22 (7) A					1000	304.8	5.0	2.3	1–30
8529	20 (solid)	.017	0.43	.066	1.68	100	30.5	.7	.3	1–10, 12, 13
	MW-C20 (1) A					1000	304.8	6.0	2.7	1–10, 13
8523	20 (10x30)	.017	0.43	.070	1.78	100	30.5	.7	.3	1–25, 27, 29, 30
	MW-C20 (10) A					1000	304.8	6.0	2.7	1–24, 29, 30
8522	18 (16x30)	.017	0.43	.080	2.03	100	30.5	.9	.4	1–30
	MW-C18 (16) A					1000	304.8	8.0	3.6	1–30
8521	16 (26x30)	.019	0.48	.098	2.49	100	30.5	1.4	.6	1–22
	MW-C16 (26) A					1000	304.8	12.0	5.5	1–22
8520	14 (41x30)	.018	0.46	.111	2.82	100	30.5	1.9	.9	1–11, 13–16, 18, 19, 22
	MW-C14 (41) A					1000	304.8	17.0	7.7	1–10, 13–22
8527	12 (65x30)	.018	0.46	.128	3.25	100	30.5	3.3	1.5	1–7, 9, 10
	MW-C12 (65) A					1000	304.8	25.0	11.4	1–10

*Certification available upon special request.

(Type B) MIL-W-16878/1-PVC 600V, 105°C*

Product Description

Tinned copper, PVC insulated. Covers insulated wire for internal wiring of meters, panels, and electrical or electronic equipment. Temperatures to 105°C. For high-temperature MIL-Spec hook-up wire, see pages 3.9 to 3.11.



600V, 105°C (MIL-Spec)										
(Type B) MIL-W-16878/1-PVC										
8597	28 (7x36)	.010	.25	.035	.89	100	30.5	.1	.05	1–10
	B-28					1000	304.8	1.0	.50	1–10
8505	26 (7x34)	.010	.25	.039	.99	100	30.5	.2	.10	1–10, 14-22
	B-26					1000	304.8	4.0	1.80	1–10, 14-22
8504	24 (7x32)	.010	.25	.044	1.12	100	30.5	.2	.10	1–10, 14-22
	B-24					1000	304.8	3.0	1.40	1–10, 14-22
8503	22 (7x30)	.010	.25	.050	1.27	100	30.5	.3	.10	1–10, 14-22
	B-22					1000	304.8	4.0	1.80	1–10, 14-22
8502	20 (7x28)	.010	.25	.058	1.47	100	30.5	.5	.20	1–10, 14-16, 18–20
	B-20					1000	304.8	5.0	2.30	1–10, 14-16, 18–20
8501	18 (7x26)	.010	.25	.068	1.73	100	30.5	.9	.40	1–10, 14-22
	B-18					1000	304.8	8.0	3.60	1–10, 14-22
8500	16 (19x29)	.010	.25	.079	2.01	100	30.5	1.2	.50	1–10, 14-22
	B-16					1000	304.8	11.0	5.00	1–10, 14-22

*Certification available upon special request.

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PVC
Hook-Up Wire on Racks

Wire Dispenser Kits

Product Description

Great for R and D labs, engineers, servicemen and hobbyists.

Specify Part No. 8800 for Rack only.



Part No.	No. of Spools	Type of Wire (Part No.)	Temp. Rating	AWG (stranding)	Spool Lengths		Standard Unit Weight		Colors in Kits (See Color Codes Chart on Page 3.29)
					Ft.	m	Lbs.	kg	
Wire Dispenser Kits									
Hook-Up Wire on Racks									
8816	8	Tinned PVC (8522)	80°C	18 (16x30)	25	7.6	2.5	1.1	1,2,3,4,5,6,9,10
8824	8	Tinned PVC (8523)	80°C	20 (10x30)	25	7.6	2.1	1.0	1,2,3,4,5,6,9,10
8825	5	Tinned PVC (8502)	105°C	20 (7x28)	100	30.5	3.1	1.4	2,4,5,9,10
9531	5	Tinned PVC (8524)	80°C	22 (7x30)	100	30.5	2.7	1.2	2,5,6,9,10

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Teflon®
High-Temperature

UL AWM Style 1180
300V, 200°C
(Type EE) MIL-W-16878/5
Teflon — 1000V, 200°C
VW-1

Product Description

Stranded silver-coated copper conductor insulated with extruded TFE Teflon.



Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
300V, 200°C (UL) • **1000V, 200°C** (MIL-Spec)										
UL AWM Style 1180 • (Type EE) MIL-W-16878/5 — Teflon										
83023*	24 (19x36)	.015	.38	.053	1.35	100†	30.5	.4	.2	1–10
						500†	152.4	3.0	1.4	2, 4, 5, 9, 10
						1000†	304.8	4.0	1.8	1–10
83025	22 (7x30)	.015	.38	.060	1.52	100†	30.5	.5	.2	1–7, 9, 10
						500†	152.4	3.0	1.4	2, 9, 10
						1000†	304.8	5.0	2.3	1–7, 9, 10
83026*	22 (19x34)	.015	.38	.059	1.50	100†	30.5	.5	.2	1–10
						500†	152.4	3.0	1.4	2, 9, 10
						1000†	304.8	5.0	2.3	1–10
83027*	20 (19x32)	.015	.38	.068	1.73	100†	30.5	.8	.4	1–10
						500†	152.4	4.0	1.8	2, 9, 10
						1000†	304.8	7.0	3.2	1–10
83028	20 (7x28)	.015	.38	.068	1.73	100†	30.5	.8	.4	1–10
						1000†	304.8	7.0	3.2	1–10
83029*	18 (19x30)	.015	.38	.077	1.96	100†	30.5	1.1	.5	1–10
						500†	152.4	5.5	2.5	2, 5, 6, 9, 10
						1000†	304.8	10.0	4.5	1–10
83030*	16 (19x29)	.015	.38	.088	2.24	100†	30.5	1.3	.6	1–10
						500†	152.4	6.5	3.0	2, 9, 10
						1000†	304.8	13.0	5.9	1–10

*Complies with MIL-W-16878 except stranding.
†Spools may contain more than one piece. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.

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Teflon®
High-Temperature

UL AWM Style 1213 — 105°C
(Type E) MIL-W-16878/4
Teflon — 600V, 200°C
VW-1

Product Description

Stranded silver-coated copper conductor insulated with extruded TFE Teflon.



Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
105°C (UL) • **600V, 200°C** (MIL-Spec)										
UL AWM Style 1213 • (Type E) MIL-W-16878/4 — Teflon										
83000	30 (7x38)	.010	.25	.032	.81	100†	30.5	.1	.05	1–10
						1000†	304.8	1.0	.50	1–10
83001*	28 (7x36)	.010	.25	.035	.89	100†	30.5	.2	.10	1–10
						1000†	304.8	2.0	.90	1–10
83002	26 (7x34)	.010	.25	.037	.94	100†	30.5	.2	.10	1–10
						500†	152.4	1.0	.50	9
						1000†	304.8	3.0	1.40	1–10
83003*	24 (19x36)	.010	.25	.043	1.09	100†	30.5	.3	.10	1–10
						500†	152.4	1.5	.70	1–10
						1000†	304.8	3.0	1.40	1–10
83004	24 (7x32)	.010	.25	.043	1.09	100†	30.5	.3	.10	1–10
						500†	152.4	1.5	.70	2, 10
						1000†	304.8	3.0	1.40	1–10
83005	22 (7x30)	.010	.25	.049	1.24	100†	30.5	.4	.20	1–10
						500†	152.4	3.0	1.40	2, 9, 10
						1000†	304.8	4.0	1.80	1–10
83006*	22 (19x34)	.010	.25	.048	1.22	100†	30.5	.4	.20	1–10
						500†	152.4	3.0	1.40	1–10
						1000†	304.8	4.0	1.80	1–10
83007*	20 (19x32)	.010	.25	.056	1.42	100†	30.5	.5	.20	1–10
						500†	152.4	4.0	1.80	2, 9, 10
						1000†	304.8	6.0	2.70	1–10
83008	20 (7x28)	.010	.25	.058	1.47	100†	30.5	.5	.20	1–10
						500†	152.4	4.0	1.80	1–10
						1000†	304.8	6.0	2.70	1–10

*Complies with MIL-W-16878 except stranding.
†Spools may contain more than one piece. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.

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Teflon®
High-Temperature

UL AWM Style 1371 — 105°C
(Type E) MIL-W-16878/4
Teflon — 600V, 200°C
VW-1

Product Description

Stranded silver-coated copper conductor insulated with extruded TFE Teflon.



105°C (UL) • **600V, 200°C** (MIL-Spec)

Part No.	AWG (stranding)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
UL AWM Style 1371 • (Type E) MIL-W-16878/4 — Teflon										
83009*	18 (19x30)	.011	.28	.068	1.73	100†	30.5	1.0	.5	1–10
						500†	152.4	4.5	2.0	1–10
						1000†	304.8	9.0	4.1	1–10
83010*	16 (19x29)	.012	.30	.076	1.93	100†	30.5	1.2	.5	1–10
						500†	152.4	6.0	2.7	1–10
						1000†	304.8	11.0	5.0	1–10

*Complies with MIL-W-16878 except stranding.
†Spools may contain more than one piece. Length may vary ±10% from length shown.

UL AWM Style 1371 — 105°C
(Type ET) MIL-W-16878/6
Teflon — 250V, 200°C
VW-1

Product Description

Stranded silver-coated copper conductor insulated with extruded TFE Teflon.



105°C (UL) • **250V, 200°C** (MIL-Spec)

UL AWM Style 1371 • (Type ET) MIL-W-16878/6 — Teflon										
83041	32 (7x40)	.006	.15	.022	.56	100†	30.5	.1	.05	6, 7, 10
						1000†	304.8	1.0	.50	6, 7, 10
83043	30 (7x38)	.006	.15	.024	.61	100†	30.5	.1	.05	2, 5, 7–10
						1000†	304.8	1.0	.50	2, 5, 7, 9, 10
83045	28 (7x36)	.006	.15	.027	.69	100†	30.5	.1	.05	1, 2, 5, 6, 9, 10
						1000†	304.8	1.0	.50	1, 2, 5, 6, 9, 10
83046	26 (7x34)	.006	.15	.031	.79	100†	30.5	.2	.10	1–4, 6–9
						1000†	304.8	2.0	.90	1–4, 6–10
83047	24 (7x32)	.006	.15	.036	.91	100†	30.5	.2	.10	6, 8–10
						1000†	304.8	2.0	.90	2, 6, 8–10
83048	24 (19x36)	.006	.15	.036	.91	100†	30.5	.2	.10	1–3, 5, 7, 8, 10
						1000†	304.8	2.0	.90	1–3, 5, 7, 8, 10
83049	22 (7x30)	.006	.15	.042	1.07	100†	30.5	.3	.10	1–10
						1000†	304.8	4.0	1.80	1–10
83050	22 (19x34)	.006	.15	.042	1.07	100†	30.5	.3	.10	1–3, 5–9
						1000†	304.8	4.0	1.80	1–3, 5–9

†Spools may contain more than one piece. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.

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EPDM
High-Temperature

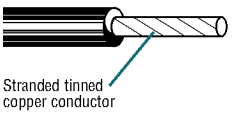
UL AWM Style 3340 and 3374 600V, 125°C Flex/150°C No Flex
(CSA Type CL1254)

Product Description

The insulation used for this High-Temperature lead wire is a chemically cross-linked ethylene-propylene diene elastomer. Never before could you find many of the characteristics that are found in Silicone and Hypalon® combined into one insulation. This 150°C EPDM wire offers more abrasion resistance than Hypalon… has the temperature rating of Silicone… at a price less than Silicone. EPDM has exceptional qualities that help you achieve new levels of economy and quality. 150°C EPDM wire is recommended for Class 130(B), 155(F) and also in some 180(H) systems. It's UL Recognized under Style 3374 as a 150°C—600V Appliance Wiring Material. The CSA Listing, as a coil lead, is 125°C, 600V. For additional technical information, see Technical Information pages at the end of this section.

Recommended maximum baking cycles:
24 hours @ 350°F (177°C) • 4 hours @ 375°F (190°C)

Stranded Conductor



Separator Over Conductor



Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
600V, 125°C Flex/150°C No Flex (UL) • **600V, 125°C** (CSA)										
UL AWM Style 3340 and 3374 • CSA Type CL1254										
37118	18 (16x30) [.82 (16x.25)]	.045	1.14	.142	3.61	500†	152.4	7.5	3.4	2, 4, 5, 9, 10, 13
						5000†	1524.0	70.0	31.8	2, 4, 9, 10, 13
37116	16 (26x30) [1.32 (26x.25)]	.045	1.14	.154	3.91	500†	152.4	9.5	4.3	2, 4, 5, 9, 10, 13
						4000†	1219.2	72.0	32.7	10
						5000†	1524.0	90.0	40.9	10
37114	14 (41x30) [2.08 (41x.25)]	.045	1.14	.169	4.29	500†	152.4	12.5	5.7	2, 10
						4000†	1219.2	96.0	43.6	2, 10
						5000†	1524.0	125.0	56.8	10
37112	12 (65x30) [3.29 (65x.25)]	.045	1.14	.190	4.83	500†	152.4	18.0	8.2	2, 10
						3000†	914.4	105.0	47.7	10
						5000†	1524.0	175.0	79.5	10
37110	10 (65x28) [5.23 (65x.32)]	.060	1.52	.240	6.10	500†	152.4	27.5	12.5	10
						2000†	609.6	108.0	49.2	10
						5000†	1524.0	275.0	125.0	10
37108*	8 (84x27) [8.60 (84x.36)]	.080	2.03	.327	8.31	250†	76.2	24.3	11.0	10
						500†	152.4	50.0	22.7	10
						2500†	762.0	235.0	106.8	10
37106*	6 (84x25) [13.66 (84x.46)]	.080	2.03	.383	9.73	100†	30.5	14.2	6.5	10
						250†	76.2	35.0	15.9	10
						500†	152.4	70.5	32.0	10
						2500†	762.0	345.0	156.8	10
37104*	4 (105x24) [21.53 (105x.51)]	.080	2.03	.432	10.97	100†	30.5	20.3	9.2	10
						250†	76.2	51.8	23.5	10
						500†	152.4	98.5	44.8	10
						1000†	304.8	196.0	89.1	10
37103*	3 (133x24) [27.28 (133x.51)]	.080	2.03	.453	11.51	100†	30.5	24.4	11.1	10
						250†	76.2	61.8	28.1	10
37102*	2 (163x24) [33.43 (163x.51)]	.080	2.03	.494	12.55	100†	30.5	31.1	14.1	10
						250†	76.2	73.8	33.5	10
						1000†	304.8	286.0	130.0	10
37101*	1 (210x24) [43.07 (210x.51)]	.095	2.41	.583	14.81	100†	30.5	41.0	18.6	10
						250†	76.2	95.0	43.2	10
						1000†	304.8	376.0	170.9	10
37190*	1/0 (262x24) [53.73 (262x.51)]	.095	2.41	.633	16.08	50†	15.2	24.7	11.2	10
						100†	30.5	48.3	22.0	10
						250†	76.2	115.5	52.5	10
						500†	152.4	223.5	101.6	10
37100*	2/0 (504x26) [67.85 (504x.41)]	.095	2.41	.698	17.73	50†	15.2	30.9	14.0	10
						100†	30.5	58.8	26.7	10
						250†	76.2	141.8	64.4	10
						500†	152.4	279.5	127.0	10
37130*	3/0 (630x26) [84.81 (630x.41)]	.095	2.41	.758	19.25	50†	15.2	38.5	17.5	10
						250†	76.2	174.0	79.1	10
						500†	152.4	346.0	157.3	10
37140*	4/0 (805x26) [108.37 (805x.41)]	.095	2.41	.849	21.57	50†	15.2	46.3	21.0	10
						250†	76.2	215.8	98.1	10
						500†	152.4	429.5	195.2	10

*Separator over conductor.
†Spools may contain more than one piece. Length may vary ±10% from length shown.

Hypalon is a DuPont trademark.

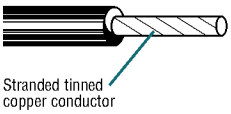
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EPDM
High-Temperature

UL AWM Style 3484
600V, 125°C
(CSA Type AWM)

Product Description

This series of EPDM (ethylene-propylene diene elastomer) will provide you with a lead wire which possesses excellent characteristics. The reduced wall thickness results in a UL and CSA Rating of 600V, 125°C. For additional technical information, see Technical Information pages at the end of this section.



600V, 125°C (UL & CSA)

Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
UL AWM Style 3484 • CSA Type AWM										
37222	22 (7x30) [.36 (7x.25)]	.030	.76	.093	2.36	*	*	*	*	Special Order*
37220	20 (10x30) [.51 (10x.25)]	.030	.76	.102	2.59	*	*	*	*	Special Order*
37218	18 (16x30) [.81 (16x.25)]	.030	.76	.109	2.77	*	*	*	*	Special Order*
37216	16 (26x30) [1.32 (26x.25)]	.030	.76	.123	3.12	*	*	*	*	Special Order*
37214	14 (41x30) [2.08 (41x.25)]	.030	.76	.138	3.51	*	*	*	*	Special Order*
37212	12 (65x30) [3.29 (65x.25)]	.030	.76	.158	4.01	*	*	*	*	Special Order*

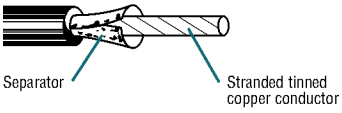
*Contact Belden's Customer Service Department for order requirements. **1-800-BELDEN-1**.

UL AWM Style 3499
7500V, 150°C
High-Voltage EPDM

Product Description

The insulation used for this High-Voltage wire is a chemically cross-linked ethylene-propylene diene elastomer with a separator for improved strippability. EPDM is naturally corona resistant and more heat resistant than many other rubber compounds and is able to take the longer bake cycles frequently needed for the big jobs. EPDM has superior weather resistance and low temperature pliability. EPDM is used in many high voltage applications. For additional technical information, see Technical Information pages at the end of this section.

Recommended maximum baking cycles:
24 hours @ 350°F (177°C) • 4 hours @ 375°F (190°C)



7500V, 150°C (UL)

Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
UL AWM Style 3499										
37508	8 (84x27) [8.60 (84x.36)]	.125	3.18	.423	10.74	50†	15.2	9.6	4.4	10
						500†	152.4	66.0	30.0	10
						1000†	304.8	130.0	59.1	10
37506	6 (84x25) [13.66 (84x.46)]	.125	3.18	.470	11.94	50†	15.2	11.8	5.3	10
						500†	152.4	90.0	40.9	10
						1000†	304.8	176.0	80.0	10
37504	4 (105x24) [21.53 (105x.51)]	.125	3.18	.526	13.36	50†	15.2	15.0	6.8	10
						500†	152.4	122.0	55.5	10
						1000†	304.8	240.0	109.1	10
37502	2 (163x24) [33.43 (163x.51)]	.125	3.18	.581	14.76	50†	15.2	19.4	8.8	10
						500†	152.4	167.0	75.9	10
						1000†	304.8	333.0	151.4	10
37501	1 (210x24) [43.07 (210x.51)]	.125	3.18	.638	16.21	50†	15.2	23.1	10.5	10
						500†	152.4	206.0	93.6	10
37590	1/0 (262x24) [53.73 (262x.51)]	.125	3.18	.688	17.48	50†	15.2	27.3	12.4	10
						250†	76.2	123.5	56.1	10
						500†	152.4	243.0	110.5	10
37500	2/0 (504x26) [67.85 (504x.41)]	.125	3.18	.753	19.13	50†	15.2	34.2	15.5	10
						250†	76.2	150.5	68.4	10
						500†	152.4	302.5	137.5	10
37530	3/0 (630x26) [84.81 (630x.41)]	.125	3.18	.813	20.65	50†	15.2	40.5	18.4	10
						250†	76.2	184.0	83.6	10
37540	4/0 (805x26) [108.37 (805x.41)]	.125	3.18	.909	23.09	50†	15.2	48.7	22.1	10
						250†	76.2	228.8	104.0	10
						500†	152.4	472.0	214.5	10

†Spools may contain more than one piece. Length may vary ±10% from length shown.

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XL-Dur®

UL AWM Style 3199
300V, 105°C
(CSA Type CL1054)

Product Description

This insulation is a chemically cross-linked polyethylene applied in a single extrusion. This construction has excellent thermal aging characteristics, moisture resistance, and solvent resistance. It provides an economic alternative to Hypalon® where extreme flexibility is not required. The insulation resists deformation when subjected to momentary high temperatures in customer assembly processes.

Recommended maximum baking cycles:
24 hours @ 300°F (149°C) • 12 hours @ 325°F (163°C)
8 hours @ 350°F (177°C)



Stranded tinned copper conductor

Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
300V, 105°C (UL & CSA)										
UL AWM Style 3199 • CSA Type CL1054										
35722	22 (7x30) [.36 (7x.25)]	.015	.38	.062	1.58	*	*	*	*	Special Order*
35720	20 (10x30) [.51 (10x.25)]	.015	.38	.073	1.85	*	*	*	*	Special Order*
35718	18 (19x30.5) [.83 (19x.24)]	.015	.38	.078	1.98	5000†	1524.0	40.0	18.2	1, 3, 5, 6, 9, 10, B02
35716	16 (19x29) [1.23 (19x.29)]	.015	.38	.091	2.31	*	*	*	*	Special Order*

*Contact Belden's Customer Service Department for order requirements. **1-800-BELDEN-1**.
† Spools may contain more than one piece. Length may vary ±10% from length shown.

UL AWM Style 3173, 3195, 3196
600V, 125°C
(CSA Type CL1251)

Product Description

This insulation is a chemically cross-linked polyethylene applied in a single extrusion. This construction has excellent thermal aging characteristics, moisture resistance, and solvent resistance. It provides an economic alternative to Hypalon where extreme flexibility is not required. The insulation resists deformation when subjected to momentary high temperatures in customer assembly processes. The 356-series of XL-DUR is recommended for Class 130(B) as motor leads.

Recommended maximum baking cycles:
24 hours @ 300°F (149°C) • 12 hours @ 325°F (163°C)
8 hours @ 350°F (177°C)

Stranded Conductor



Stranded tinned copper conductor

Separator Over Conductor



Separator

Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
600V, 125°C (UL & CSA)										
UL AWM Style 3173 • CSA Type CL1251										
35622	22 (7x30) [.36 (7x.25)]	.030	.76	.093	2.36	5000†	1524.0	35.0	15.9	2, 9, 10
35620	20 (10x30) [.51 (10x.25)]	.030	.76	.101	2.57	500†	152.4	5.0	2.3	10
						5000†	1524.0	40.0	18.2	1, 2, 4, 6, 9, 10
35618	18 (16x30) [.81 (16x.25)]	.030	.76	.109	2.77	500†	152.4	6.0	2.7	2, 4, 5, 10, 13
						5000†	1524.0	55.0	25.0	1–10, 12, 13 620, B02
35616	16 (26x30) [1.32 (26x.25)]	.030	.76	.122	3.10	500†	152.4	8.5	3.9	2, 4, 5, 9, 10
						5000†	1524.0	75.0	34.1	1–6, 8–10, B02
35614	14 (41x30) [2.08 (41x.25)]	.030	.76	.137	3.48	500†	152.4	10.5	4.8	10
						5000†	1524.0	105.0	47.7	2–5, 6, 9, 10
35612	12 (65x30) [3.29 (65x.25)]	.030	.76	.153	3.89	500†	152.4	15.0	6.8	10
						3000†	914.4	90.0	40.9	9, 10
35610	10 (65x28) [5.23 (65x.32)]	.030	.76	.177	4.50	2000†	609.6	86.0	39.1	9, 10
UL AWM Style 3195 • CSA Type CL1251										
35608††	8 (133x29) [8.60 (133x.29)]	.045	1.14	.263	6.68	2000†	609.6	158.0	71.8	9, 10
UL AWM Style 3196 • CSA Type CL1251										
35606††	6 (133x27) [13.61 (133x.36)]	.060	1.52	.333	8.46	2000†	609.6	252.0	114.5	9, 10

† Spools may contain more than one piece. Length may vary ±10% from length shown.
†† Separator over conductor.

Hypalon is a DuPont trademark.

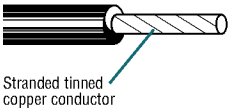
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XL-Dur® (High-Temperature) and SIS Wire

UL AWM Style 3436 and 3321 XL-Dur — 600V, 150°C
(CSA Type CL1251 and AWM)

Product Description

This series of chemically cross-linked polyethylene lead wire is available for higher temperature applications. It is UL Recognized to 600V, 150°C. As with other cross-linked lead wire, it has excellent heat aging characteristics in combination with excellent electrical and physical properties.



600V, 150°C (UL & CSA)

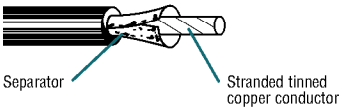
Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
UL AWM Style 3436 and 3321 • CSA Type CL1251 and AWM										
35422	22 (7x30) [.36 (7x.25)]	.030	.76	.093	2.36	*	*	*	*	Special Order*
35420	20 (10x30) [.51 (10x.25)]	.030	.76	.102	2.59	500†	152.4	4.5	2.0	9, 10
						5000†	1524.0	40.0	18.2	9, 10
35418	18 (16x30) [.81 (16x.25)]	.030	.76	.110	2.79	500†	152.4	5.5	2.5	9, 10
						5000†	1524.0	50.0	22.7	9, 10
35416	16 (26x30) [1.32 (26x.25)]	.030	.76	.123	3.12	500†	152.4	7.5	3.4	9, 10
						5000†	1524.0	70.0	31.8	9, 10
35414	14 (41x30) [2.08 (41x.25)]	.030	.76	.138	3.51	500†	152.4	10.0	4.5	9, 10
						5000†	1524.0	95.0	43.2	9, 10
35412	12 (65x30) [3.29 (65x.25)]	.030	.76	.153	3.89	500†	152.4	14.5	6.6	9, 10
						5000†	1524.0	140.0	63.6	9, 10
35410	10 (65x28) [5.23 (65x.32)]	.030	.76	.177	4.50	500†	152.4	22.0	10.0	9, 10
						5000†	1524.0	210.0	95.5	9, 10

*Contact Belden's Customer Service Department for order requirements. **1-800-BELDEN-1**.
†Spools may contain more than one piece. Length may vary ±10% from length shown.

UL Type SIS — 600V, 90°C (UL)

Product Description

For wiring switchboards, panelboards, distribution boards, including instrument and control wiring in these applications. The wire is covered by a separator for improved strippability.



600V, 90°C (UL)

Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
UL Type SIS • VW-1										
31014	14 (41x30) [2.08 (41x.25)]	.030	.76	.144	3.66	2500†	762.2	50.0	22.7	8
						5000†	1524.0	105.0	47.7	8
31012	12 (65x30) [3.29 (65x.25)]	.030	.76	.167	4.24	2500†	762.2	77.5	35.2	8
						3000†	914.4	93.0	42.3	8
31010 new	10 (65x28) [5.23 (65x.32)]	.030	.76	.184	4.67	2500†	762.2	105.0	47.7	8
31008	8 (133x29) [8.60 (133x.29)]	.045	1.14	.268	6.75	2500†	762.2	190.0	86.4	8
UL Type SIS										
31014N new	14 (41x30) [2.08 (41x.25)]	.030	.76	.144	3.66	2500†	762.2	52.5	23.9	8
31012N new	12 (65x30) [3.29 (65x.25)]	.030	.76	.167	4.24	2500†	762.2	77.5	35.2	8
31010N new	10 (65x28) [5.23 (65x.32)]	.030	.76	.184	4.67	2500†	762.2	107.5	48.9	8
31008N new	8 (133x29) [8.60 (133x.29)]	.045	1.14	.268	6.75	2500†	762.2	197.5	89.8	8

†Spools may contain more than one piece. Length may vary ±10% from length shown.

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Hypalon®

UL AWM Style 3191
600V, 105°C
(CSA Type CL1053)

Product Description

This insulation is chlorosulfonated polyethylene. Hypalon insulation has excellent heat resistance, color stability and electrical properties. Hypalon is recommended for motor leads for Class 130(B) insulation systems. It may be considered as an alternative to Silicone rubber to withstand 155°C varnish baking temperatures, but is not suitable for operating temperatures above Class 130(B).

Recommended maximum baking cycles:
24 hours @ 300°F (149°C)



Stranded tinned copper conductor

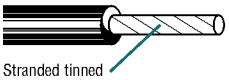
UL AWM Style 3191, 3192, 3193
600V, 105°C
(CSA Type CL1052, 300V)

Product Description

This insulation is chlorosulfonated polyethylene. Hypalon insulation has excellent heat resistance, color stability and electrical properties. Hypalon is recommended for motor leads for Class 130(B) insulation systems. It may be considered as an alternative to Silicone rubber to withstand 155°C varnish baking temperatures, but is not suitable for operating temperatures above Class 130(B).

Recommended maximum baking cycles:
24 hours @ 300°F (149°C)

Stranded Conductor



Stranded tinned copper conductor

Separator Over Conductor



Separator

Hypalon is a DuPont trademark.

Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
600V, 105°C (UL & CSA)										
UL AWM Style 3191 • CSA Type CL1053										
34418	18 (16x30) [.81 (16x.25)]	.045	1.14	.142	3.61	100†	30.5	2.3	1.0	2, 10
						500†	152.4	8.0	3.6	2, 4, 5, 8–10, 13
						5000†	1524.0	75.0	34.1	2, 4, 5, 8, 10, 13
34416	16 (26x30) [1.32 (26x.25)]	.045	1.14	.155	3.94	100†	30.5	2.8	1.3	2, 10
						500†	152.4	10.5	4.8	2, 4, 5, 8–10, 13
						4000†	1219.2	80.0	36.4	8–10
34414	14 (41x30) [2.08 (41x.25)]	.045	1.14	.170	4.32	100†	30.5	3.5	1.6	2, 8, 10
						500†	152.4	13.5	6.1	2, 5, 8, 10
						4000†	1219.2	108.0	49.1	2, 8, 10
34412	12 (65x30) [3.29 (65x.25)]	.045	1.14	.190	4.83	100†	30.5	4.4	2.0	2, 8, 10
						500†	152.4	21.5	9.8	2, 5, 6, 8, 10
						3000†	914.4	114.0	51.8	2, 8, 10
600V, 105°C (UL) • **300V, 105°C** (CSA)										
UL AWM Style 3191 • CSA Type CL1052††										
34410	10 (65x28) [5.23 (65x.32)]	.045	1.14	.209	5.31	100†	30.5	5.8	2.6	8, 10
						500†	152.4	25.5	11.6	8, 10
						2000†	609.6	100.0	45.5	8, 10
UL AWM Style 3192 • CSA Type CL1052††										
34408*	8 (84x27) [8.60 (84x.36)]	.060	1.52	.290	7.37	100†	30.5	9.9	4.5	8, 10
						250†	76.2	24.3	11.0	8, 10
34406*	6 (84x25) [13.66 (84x.46)]	.060	1.52	.343	8.71	100†	30.5	13.7	6.2	8, 10
						250†	76.2	34.3	15.6	10
						1000†	304.8	136.0	61.8	10
34404*	4 (105x24) [21.53 (105x.51)]	.060	1.52	.399	10.14	100†	30.5	19.4	8.8	8, 10
						250†	76.2	51.0	23.2	10
						500†	152.4	97.0	44.1	10
34403*	3 (133x24) [27.28 (133x.51)]	.060	1.52	.420	10.69	500†	152.4	118.0	53.6	10
34402*	2 (163x24) [33.43 (163x.51)]	.060	1.52	.454	11.53	100†	30.5	30.3	13.8	8, 10
						250†	76.2	70.8	32.2	10
						500†	152.4	139.0	63.2	10
UL AWM Style 3193 • CSA Type CL1052††										
34401*	1 (210x24) [43.07 (210x.51)]	.080	2.03	.557	14.15	50†	15.2	20.2	9.2	10
						100†	30.5	42.3	19.2	8, 10
						250†	76.2	97.0	44.1	10
34490*	1/0 (262x24) [53.73 (262x.51)]	.080	2.03	.607	15.42	50†	15.2	25.7	11.7	8, 10
						100†	30.5	48.9	22.2	10
						250†	76.2	114.8	52.2	10
34400*	2/0 (504x26) [67.85 (504x.41)]	.080	2.03	.668	16.97	50†	15.2	30.4	13.8	8
						100†	30.5	57.9	26.3	10
						250†	76.2	139.5	63.4	10
34430*	3/0 (630x26) [84.81 (630x.41)]	.080	2.03	.732	18.59	50†	15.2	38.5	17.5	10
						250†	76.2	175.8	79.9	10
34440*	4/0 (805x26) [108.37 (805x.41)]	.080	2.03	.819	20.80	50†	15.2	46.2	21.0	8, 10
						250†	76.2	215.0	97.7	10

* Separator over conductor.
† Spools may contain more than one piece. Length may vary ±10% from length shown.
†† CSA requires additional wall thickness in sizes 10 AWG and larger to meet CL1053 requirements.

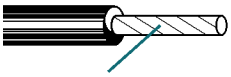
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Hypalon®

UL AWM Style 3190
300V, 105°C
(CSA Type CL1052)

Product Description

This insulation is chlorosulfonated polyethylene. Hypalon insulation has excellent heat resistance, color stability and electrical properties. Hypalon is recommended for motor leads for Class 130(B) insulation systems. It may be considered as an alternative to Silicone rubber to withstand 155°C varnish baking temperatures, but is not suitable for operating temperatures above Class 130(B).



Stranded tinned copper conductor

300V, 105°C (UL & CSA)

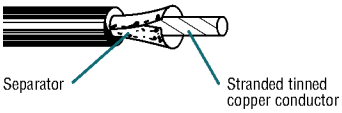
Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
UL AWM Style 3190 • CSA Type CL1052										
34922	22 (7x30) [.36 (7x.25)]	.030	.76	.093	2.36	5000†	1524.0	35.0	15.9	10
34920	20 (10x30) [.51 (10x.25)]	.030	.76	.100	2.54	5000†	1524.0	45.0	20.5	8, 10
34918	18 (16x30) [.81 (16x.25)]	.030	.76	.110	2.79	500†	152.4	6.5	3.0	2, 4, 10
						5000†	1524.0	55.0	25.0	2, 4, 10
34916	16 (26x30) [1.32 (26x.25)]	.030	.76	.123	3.12	500†	152.4	9.0	4.1	2, 9, 10
						5000†	1524.0	80.0	36.4	10
34914	14 (41x30) [2.08 (41x.25)]	.030	.76	.138	3.51	*	*	*	*	Special Order*

*Contact Belden's Customer Service Department for order requirements. **1-800-BELDEN-1**.
†Spools may contain more than one piece. Length may vary ±10% from length shown.

5000V
High-Voltage Hypalon

Product Description

This insulation is chlorosulfonated polyethylene. Hypalon insulation has excellent heat resistance, color stability and electrical properties.



5000V

Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
High-Voltage										
36108	8 (84x27) [8.60 (84x.36)]	.150	3.81	.480	12.19	50†	15.2	11.6	5.3	10
						500†	152.4	86.5	39.3	10
36106	6 (84x25) [13.66 (84x.46)]	.150	3.81	.532	13.51	50†	15.2	14.2	6.4	10
						500†	152.4	113.5	51.6	10
36104	4 (105x24) [21.53 (105x.51)]	.150	3.81	.588	14.94	50†	15.2	15.6	7.1	10
						500†	152.4	148.0	67.3	10
36102	2 (163x24) [33.43 (163x.51)]	.150	3.81	.643	16.33	50†	15.2	22.4	10.2	10
						500†	152.4	194.0	88.2	10
36101	1 (210x24) [43.07 (210x.51)]	.150	3.81	.700	17.78	50†	15.2	26.4	12.0	10
						250†	76.2	121.8	55.3	10
36190	1/0 (262x24) [53.73 (262x.51)]	.150	3.81	.750	19.05	50†	15.2	32.4	14.7	10
						500†	152.4	287.5	130.7	10
36100	2/0 (504x26) [67.85 (504x.41)]	.150	3.81	.815	20.70	50†	15.2	37.5	17.0	10
36140	4/0 (805x26) [108.37 (805x.41)]	.150	3.81	.959	24.36	50†	15.2	52.5	23.8	10
						250†	76.2	247.5	112.5	10

†Spools may contain more than one piece. Length may vary ±10% from length shown.

Hypalon is a DuPont trademark.

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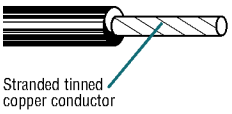
Neoprene

UL AWM Style 3044
300V, 90°C
(CSA Type CL902)

Product Description

Neoprene insulation has good heat aging characteristics and is an excellent low-cost motor lead wire. It may be considered for use in hazardous locations and is being used in explosion-proof motors recognized by UL. 12 AWG and smaller sizes are dual labeled UL and CSA.

Recommended maximum baking cycles:
24 hours @ 300°F (149°C) • 8 hours @ 325°F (163°C)
15 minutes @ 450°F (232°C)



Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
300V, 90°C (UL & CSA)										
UL AWM Style 3044 • CSA Type CL902										
31520	20 (10x30) [.51 (10x.25)]	.030	.76	.100	2.54	500†	152.4	5.0	2.3	10
						5000†	1524.0	40.0	18.2	10
31518	18 (16x30) [.81 (16x.25)]	.030	.76	.109	2.77	500†	152.4	6.5	3.0	2, 4, 5, 6, 9, 10
						2000†	609.6	22.0	10.0	1–6, 9, 10
						5000†	1524.0	55.0	25.0	1–6, 9, 10, 620, B02
						10000†	3048.8	110.0	50.0	5, 9, 10
31516	16 (26x30) [1.32 (26x.25)]	.030	.76	.122	3.10	500†	152.4	9.0	4.1	2–6, 9, 10
						5000†	1524.0	75.0	34.1	2, 4, 5, 9, 10

†Spools may contain more than one piece. Length may vary ±10% from length shown.

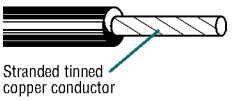
UL AWM Style 3046, 3048, 3049
600V, 90°C
(CSA Type CL903 available as shown)

Product Description

Neoprene insulation has good heat aging characteristics and is an excellent low-cost motor lead wire. It may be considered for use in hazardous locations and is being used in explosion-proof motors recognized by UL. 12 AWG and smaller sizes are dual labeled UL and CSA.

Recommended maximum baking cycles:
24 hours @ 300°F (149°C) • 8 hours @ 325°F (163°C)
15 minutes @ 450°F (232°C)

Stranded Conductor



Separator Over Conductor



Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
600V, 90°C (UL)										
UL AWM Style 3046 • CSA Type CL903										
32518	18 (16x30) [.81 (16x.25)]	.045	1.14	.142	3.61	500†	152.4	8.5	3.9	9, 10
						5000†	1524.0	80.0	36.4	9, 10
32516	16 (26x30) [1.32 (26x.25)]	.045	1.14	.155	3.94	500†	152.4	11.0	5.0	2–6, 9, 10
						5000†	1524.0	105.0	47.7	2, 9, 10
31514	14 (41x30) [2.08 (41x.25)]	.045	1.14	.169	4.29	500†	152.4	13.5	6.1	2, 4, 5, 9, 10
						4000†	1219.2	108.0	49.1	2, 4, 5, 9, 10
31512	12 (65x30) [3.29 (65x.25)]	.045	1.14	.190	4.83	250†	76.2	10.0	4.5	10
						3000†	914.4	117.0	53.2	10
UL AWM Style 3046††										
31510	10 (65x28) [5.29 (65x.32)]	.045	1.14	.209	5.31	250†	76.2	13.0	5.9	10
						2000†	609.6	106.0	48.2	10
UL AWM Style 3048††										
31508*	8 (84x27) [8.60 (84x.36)]	.060	1.52	.285	7.24	500†	152.4	47.5	21.6	2, 10
31506*	6 (84x25) [13.66 (84x.46)]	.060	1.52	.343	8.71	500†	152.4	68.0	30.9	10
31504*	4 (105x24) [21.53 (105x.51)]	.060	1.52	.399	10.14	250†	76.2	52.0	23.6	10
31502*	2 (163x24) [33.43 (163x.51)]	.060	1.52	.454	11.53	250†	76.2	71.0	32.3	10
UL AWM Style 3049††										
31501*	1 (210x24) [43.07 (210x.51)]	.080	2.03	.557	14.15	250†	76.2	98.5	44.8	10
31590*	1/0 (262x24) [53.73 (262x.51)]	.080	2.03	.607	15.42	250†	76.2	116.8	53.1	10
31500*	2/0 (504x26) [67.85 (504x.41)]	.080	2.03	.668	16.97	250†	76.2	141.5	64.3	10

*Separator over conductor.
† Spools may contain more than one piece. Length may vary ±10% from length shown.
†† CSA requires additional wall thickness in sizes 10 AWG and larger to meet CL903 requirements.

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Silicone Rubber
Braidless

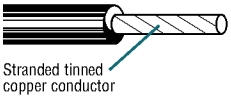
UL AWM Style 3212, 3213, 3214
600V, 150°C
(CSA Type AWM)

Product Description

The 333 series of braidless Silicone 150°C lead wire features easy and clean stripping without the problems associated with glass braid wire. It has excellent physical and mechanical strength properties. Braidless Silicone lead wire is also recommended for consideration in applications requiring Class 155(F) or Class 180(H) materials. Recommended for high-temperature applications in motors, lighting fixtures, clothes dryers, stoves, therapeutic and electronic devices. It is recommended that varnish compatibility be checked before production. Some rigid varnishes may cause cracking when the wire is severely bent.

Recommended maximum baking cycles:
24 hours @ 410°F (210°C)

Stranded Conductor



Separator Over Conductor



Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
600V, 150°C (UL & CSA)										
UL AWM Style 3212 • CSA Type AWM										
33322	22 (7x30) [.36 (7x.25)]	.045	1.14	.125	3.18	*	*	*	*	Special Order*
33320	20 (10x30) [.51 (10x.25)]	.045	1.14	.132	3.53	*	*	*	*	Special Order*
33318	18 (16x30) [.81 (16x.25)]	.045	1.14	.142	3.61	500†	152.4	7.0	3.2	9, 10
33316	16 (26x30) [1.32 (26x.25)]	.045	1.14	.155	3.94	500†	152.4	9.5	4.3	9, 10
33314	14 (41x30) [2.08 (41x.25)]	.045	1.14	.170	4.32	500†	152.4	12.0	5.5	9, 10
33312	12 (65x30) [3.29 (65x.25)]	.045	1.14	.190	4.83	500†	152.4	20.0	9.1	9, 10
33310††	10 (65x28) [5.23 (65x.32)]	.045	1.14	.209	5.31	500†	152.4	24.0	10.9	10
UL AWM Style 3213 • CSA Type AWM										
33308††	8 (84x27) [8.60 (84x.36)]	.060	1.52	.283	7.19	500†	152.4	40.5	18.4	10
33306††	6 (84x25) [13.66 (84x.46)]	.060	1.52	.334	8.48	500†	152.4	68.0	30.9	10
33304††	4 (105x24) [21.53 (105x.51)]	.060	1.52	.390	9.91	250†	76.2	48.8	22.2	10
33302††	2 (163x24) [33.43 (163x.51)]	.060	1.52	.457	11.61	250†	76.2	68.8	31.3	10
UL AWM Style 3214 • CSA Type AWM										
33390††	1/0 (262x24) [53.73 (262x.51)]	.080	2.03	.594	15.09	250†	76.2	108.3	49.2	10

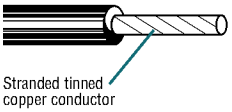
* Contact Belden's Customer Service Department for order requirements. **1-800-BELDEN-1**.
† Spools may contain more than one piece. Length may vary ±10% from length shown.
†† Separator over conductor.

UL AWM Style 3135
600V, 200°C

Product Description

The 334 Series is for use only in totally enclosed systems.

Recommended maximum baking cycles:
24 hours @ 410°F (210°C)



Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
600V, 200°C (UL)										
UL AWM Style 3135										
33418	18 (7x26) [.94 (7x.41)]	.030	.76	.111	2.82	*	*	*	*	Special Order*
33416	16 (7x24) [1.44 (7x.51)]	.030	.76	.123	3.12	*	*	*	*	Special Order*
33414	14 (7x22) [2.27 (7x.64)]	.030	.76	.139	3.53	*	*	*	*	Special Order*

*Contact Belden's Customer Service Department for order requirements. **1-800-BELDEN-1**.

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Silicone Rubber
Glass Braid

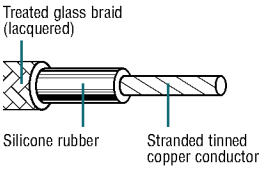
UL AWM Style 3071, 3074, 3075, 3125 and 3126
600V, 200°C
(CSA Type SEW-2)
VW-1

Product Description

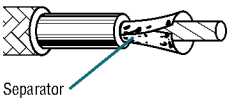
UL recognizes finer strands on the 150°C rated wire. The Silicone insulation strips clean and easy. The glass braid provides additional abrasion resistance and is treated to prevent fraying. Recommended for high-temperature applications in motors, lighting fixtures, clothes dryers, stoves, therapeutic and electronic devices. These wires can be used with Class 130(B), 155(F) or 180(H) insulation systems.

Recommended maximum baking cycles:
24 hours @ 410°F (210°C)

Stranded Conductor



Separator Over Conductor



Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
600V, 200°C (UL & CSA)										
UL AWM Style 3071 • CSA Type SEW-2										
32418	18 (7x26) [.94 (7x.41)]	.030	.76	.133	3.38	500†	152.4	7.5	3.4	9, 10
						6000†	1829.3	78.0	35.5	9, 10
32416	16 (7x24) [1.44 (7x.51)]	.030	.76	.145	3.68	500†	152.4	9.5	4.3	9, 10
						6000†	1829.3	108.0	49.1	9, 10
32414	14 (7x22) [2.27 (7x.64)]	.030	.76	.167	4.24	500†	152.4	12.0	5.5	9, 10
						4000†	1219.2	100.0	45.5	9, 10
UL AWM Style 3074 • CSA Type SEW-2										
32412	12 (19x24.5) [3.30 (19x.47)]	.030	.76	.190	4.83	500†	152.4	17.5	8.0	9, 10
UL AWM Style 3075 • CSA Type SEW-2										
32410	10 (19x22.5) [5.27 (19x.59)]	.045	1.14	.238	6.05	500†	152.4	28.0	12.7	9, 10
UL AWM Style 3125 • CSA Type SEW-2										
30808*	8 (54x25) [8.78 (54x.46)]	.060	1.52	.313	7.95	100†	30.5	9.8	4.5	9, 10
						500†	152.4	48.0	21.8	9, 10
						3000†	914.4	285.0	129.5	9, 10
30806†	6 (84x25) [13.66 (84x.46)]	.060	1.52	.368	9.35	100†	30.5	14.2	6.5	9, 10
						500†	152.4	71.0	32.3	9, 10
						2000†	609.6	284.0	129.1	9, 10
30804*	4 (105x24) [21.53 (105x.51)]	.060	1.52	.424	10.77	250†	76.2	52.3	23.8	9, 10
						2000†	609.6	398.0	180.9	9, 10
30802*	2 (163x24) [33.43 (163x.51)]	.060	1.52	.496	12.60	250†	76.2	74.5	33.9	9, 10
UL AWM Style 3126 • CSA Type SEW-2										
30801*	1 (210x24) [43.07 (210x.51)]	.080	2.03	.622	15.80	100†	30.5	42.2	19.2	9, 10
						250†	76.2	100.5	45.7	9, 10
30890*	1/0 (262x24) [53.73 (262x.51)]	.080	2.03	.670	17.02	100†	30.5	51.5	23.4	9, 10
						250†	76.2	123.5	56.1	9, 10
30800*	2/0 (504x26) [67.85 (504x.41)]	.080	2.03	.727	18.47	50†	15.2	31.1	14.1	9
						100†	30.5	60.5	27.5	9
						250†	76.2	146.0	66.4	9
30830*	3/0 (630x26) [84.81 (630x.41)]	.080	2.03	.795	20.19	250†	76.2	181.0	82.3	9
30840*	4/0 (266x21) [109.51 (266x.72)]	.080	2.03	.779	19.79	50†	15.2	47.9	21.8	9
						250†	76.2	220.8	100.3	9

*Separator over conductor.
†Spools may contain more than one piece. Length may vary ±10% from length shown.

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Silicone Rubber

Glass Braid and Mercury Switch Wire

Glass Braid
UL AWM Style 3069, 3070, 3101
600V, 150°C

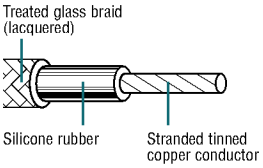
(CSA Type SEWF-2)

VW-1

Product Description

UL recognizes finer strands on the 150°C rated wire. The Silicone insulation strips clean and easy. The glass braid provides additional abrasion resistance and is treated to prevent fraying. Recommended for high-temperature applications in motors, lighting fixtures, clothes dryers, stoves, therapeutic and electronic devices. These wires can be used with Class 130(B), 155(F) or 180(H) insulation systems.

Recommended maximum baking cycles:
24 hours @ 410°F (210°C)



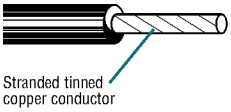
Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
600V, 150°C (UL & CSA)										
UL AWM Style 3069 • CSA Type SEWF-2										
30820	20 (10x30) [.51 (10x.25)]	.030	.76	.122	3.10	500†	152.4	6.0	2.7	9, 10
UL AWM Style 3070 • CSA Type SEWF-2										
30818	18 (16x30) [.81 (16x.25)]	.030	.76	.132	3.35	100†	30.5	2.0	.9	9, 10
						500†	152.4	7.0	3.2	9, 10
						6000†	1829.3	78.0	35.5	10
30816	16 (26x30) [1.32 (26x.25)]	.030	.76	.145	3.68	500†	152.4	9.0	4.1	9, 10
30814	14 (41x30) [2.08 (41x.25)]	.030	.76	.164	4.17	500†	152.4	12.0	5.5	9, 10
30812	12 (65x30) [3.29 (65x.25)]	.030	.76	.186	4.72	500†	152.4	17.0	7.7	9, 10
						3000†	914.4	102.0	46.4	10
UL AWM Style 3101 • CSA Type SEWF-2										
30810	10 (65x28) [5.23 (65x.32)]	.045	1.14	.239	6.07	100†	30.5	6.3	2.9	9, 10
						500†	152.4	27.0	12.3	9, 10

†Spools may contain more than one piece. Length may vary ±10% from length shown.

Mercury Switch
UL AWM Style 3123
600V, 150°C

Product Description

Suitable for mercury switches when protected against mechanical abuse. This wire has a tough, flexible Silicone insulation that remains flexible over a wide temperature range: +150°C to -55°C.



Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness Inch	Insulation Thickness mm	Nominal OD Inch	Nominal OD mm	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Stock Colors (See Color Codes Chart on Page 3.29)
600V, 150°C (UL)										
UL AWM Style 3123										
34020	20 (105x40) [.52 (105x.08)]	.030	.76	.110	2.79	2000†	609.6	18.0	8.2	8
34017	17 (210x40) [1.03 (210x.08)]	.030	.76	.118	3.00	2000†	609.6	26.0	11.8	8

†Spools may contain more than one piece. Length may vary ±10% from length shown.

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High-Voltage Leads

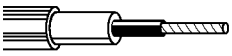
22 AWG Stranded Conductor (7x30)

Product Description

Tinned copper, conductive polyethylene (Korona-Guard) over inner conductor provides uniform distribution of voltage stresses, polyethylene insulated. PVC jacket in Red (8868) or Black (8869).

Suggested Working Voltage: 24,000 DC (8868)
17,000 DC (8869)

Breakdown Voltage: 48,000 DC (8868)
35,000 DC (8869)



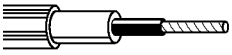
20 AWG Stranded Conductor (7x28)
UL AWM Style 3239 (80°C)
VW-1

Product Description

Tinned copper, conductive polyethylene (Korona-Guard) over inner conductor provides uniform distribution of voltage stresses, polyethylene insulated. Red PVC jacket.

Suggested Working Voltage: 30,000 DC

Breakdown Voltage: 60,000 DC



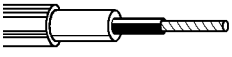
18 AWG Stranded Conductor (16x30)

Product Description

Tinned copper, conductive polyethylene (Korona-Guard) over inner conductor provides uniform distribution of voltage stresses, polyethylene insulated. Red PVC jacket.

Suggested Working Voltage: 40,000 DC

Breakdown Voltage: 80,000 DC



Part No.	Insulation Thickness		Jacket Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
	Inch	mm	Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
22 AWG Stranded Conductor (7x30)											
80°C											
8868	.044	1.12	.015	.38	.150	3.81	100	30.5	1.9	.9	2
							U-500	U-152.4	6.0	2.7	2
							500	152.4	6.0	2.7	2
8869	.027	.69	.015	.38	.120	3.05	100	30.5	2.2	1.0	10
							500	152.4	4.5	2.0	10
20 AWG Stranded Conductor (7x28)											
UL AWM Style 3239 • 80°C											
9867	.046	1.17	.028	.71	.191	4.85	100	30.5	2.8	1.3	2
							500	152.4	10.5	4.8	2
18 AWG Stranded Conductor (16x30)											
80°C											
8866	.057	1.45	.015	.38	.208	5.28	100	30.5	3.0	1.4	2
							U-500	U-152.4	11.5	5.2	2
							500	152.4	11.5	5.2	2

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Test Prod Wire

18 AWG Rubber Insulated
5000V, 90°C

Product Description

Tinned copper, rubber insulated.

Suggested Working Voltage: 5000V

Breakdown Voltage: 20,000V



Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
18 AWG Rubber Insulated										
5000V, 90°C										
8899	18 (65x36)	.045	1.14	.144	3.66	10	3.0	.2	.1	2, 10
						14	4.3	.5	.2	2, 10
						25	7.6	.6	.3	2, 4, 5, 6, 8, 9, 10
						100	30.5	2.3	1.0	2, 4, 5, 6, 8, 9, 10
						U-500	U-152.4	8.0	3.6	2, 10
						500	152.4	8.5	3.9	2, 4, 5, 6, 8, 9, 10
						U-1000	U-304.8	16.0	7.3	2, 10
						1000	304.8	17.0	7.7	2, 10

18 AWG PVC Insulated
UL AWM Style 1855 (5000V, 80°C)

Product Description

Tinned copper, PVC insulated. Use test probe leads for electrical and electronic measuring for test equipment.

Suggested Working Voltage: 5000V



Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
18 AWG PVC Insulated (UL)										
UL AWM Style 1855 • 5000V, 80°C										
9899	18 (65x36)	.048	1.22	.144	3.66	100	30.5	2.2	1.0	2, 10
						500	152.4	7.5	3.4	2, 5, 9, 10
						1000	304.8	15.0	6.8	2, 10

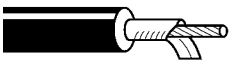
18 AWG Rubber Insulated
5000V, 80°C

Product Description

Tinned copper, separator, rubber insulated. Manufactured for MIL-W-13169B.

Suggested Working Voltage: 5000V

Breakdown Voltage: 20,000V



Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
18 AWG Rubber Insulated										
5000V, 80°C										
8897	18 (65x36)	.045	1.14	.144	3.66	U-500	U-152.4	8.5	3.9	2, 10
						500	152.4	8.5	3.9	2, 10

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Test Prod Wire and Gas Tube Sign and Ignition Cable

18 AWG Rubber Insulated
10,000V, 90°C

Product Description

Tinned copper, rubber insulated.

Suggested Working Voltage: 10,000V

Breakdown Voltage: 29,000V



Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
18 AWG Rubber Insulated										
10,000V, 90°C										
8898	18 (65x36)	.088	2.24	.229	5.82	25	7.6	1.7	.8	2, 10
						100	30.5	4.4	2.0	2, 10
						500	152.4	20.0	9.1	2, 10

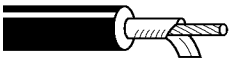
24 AWG Rubber Insulated
1000V, 90°C • Miniature

Product Description

Tinned copper, separator, rubber insulated.

Suggested Working Voltage: 1000V

Breakdown Voltage: 10,000V

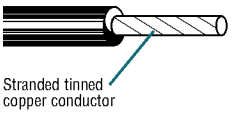


Part No.	AWG (stranding)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
24 AWG Rubber Insulated										
1000V, 90°C • Miniature										
8890	24 (45x40)	.019	.48	.066	1.68	25	7.6	.1	.05	2, 10
						100	30.5	.4	.20	2, 10
						500	152.4	2.5	1.10	2, 10

Gas Tube Sign and Ignition UL GTO-10 — 10kV, 105°C
(CSA Type GTO-10 — 10kV)

Product Description

GTO cables are single conductors for use with gas-tube systems for signs, outline lighting or interior lights and for use with oil-burning equipment in accordance with the National Electrical Code. GTO-10 lead wire has an 18 AWG stranded tinned copper conductor and is insulated with a chemically cross-linked ethylene-propylene diene elastomer. Unshielded, it is available with either a flat black (color code 10) or dark gray (color code 876) exterior.



Part No.	AWG (stranding) [sq.mm] (stranding in mm)	Insulation Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors (See Color Codes Chart on Page 3.29)
		Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
10kV, 105°C (UL) • **10kV** (CSA)										
UL and CSA Type GTO-10										
39018	18 (19x30) [.96 (19x.25)]	.100	2.54	.247	6.27	500*	152.4	18.0	8.2	10, 876
						1000*	304.8	37.0	16.8	10, 876
						1500*	457.3	54.0	24.5	10, 876

*Spools may contain more than one piece. Length may vary ±10% from length shown.

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Magnet Wire

Heavy-Armored Poly-thermaleze®
One Pound Spool

Product Description

Belden® high-temperature, heavy-armored Poly-thermaleze is a dual coated magnet wire. Its base coat is a cross-linked, modified polyester. Its top coat is an amide-imide polymer. Rated for 180°C usage, Belden heavy-armored Poly-thermaleze has exceptional ability to resist solvents and abuse in difficult windings.



Heavy-Armored Poly-thermaleze

Part No.	AWG	Approximate Length		Standard Unit Weight		Turns per Linear Inch	Turns per Square Inch
		Ft.	m	Lbs.	kg		
J-W-1177/14 • MW 35-C (Heavy)							
8073	14	80	24.4	1.1	.5	14.9	222
8074	16	126	38.4	1.1	.5	18.6	346
8075	18	199	60.7	1.1	.5	23.2	538
8076	20	315	96.0	1.1	.5	28.9	835
8077	22	501	152.7	1.1	.5	36.0	1296
8078	24	793	241.7	1.1	.5	44.7	1998
8079	26	1260	384.1	1.1	.5	55.7	3102
8080	28	1990	606.6	1.1	.5	69.4	4816
8081	30	3140	957.1	1.1	.5	86.2	7430
8083	34	7860	2395.8	1.1	.5	133.1	17716
8085	38	19300	5882.7	1.1	.5	206.0	42436

Single Beldsol™ Solderable
Half Pound Spool

Product Description

Beldsol Magnet Wire is a dual insulated Magnet Wire that combines the excellent dielectric characteristics of polyurethane and the known toughness and solvent resistance of a nylon overcoat. This wire is rated by IEEE tests for 270°F usage and will solder without insulation removal at 750°F.



Single Beldsol Solderable

Part No.	AWG	Approximate Length		Standard Unit Weight		Turns per Linear Inch	Turns per Square Inch
		Ft.	m	Lbs.	kg		
J-W-1177/9 • MW 28-C (Single)							
8049	18	100	30.5	.5	.2	23.9	571
8050	20	160	48.8	.5	.2	29.9	894
8051	22	254	77.4	.5	.2	37.5	1406
8052	24	404	123.1	.5	.2	46.9	2200
8053	26	645	196.6	.5	.2	59.0	3481
8054	28	1020	310.9	.5	.2	73.8	5446
8055	30	1615	492.3	.5	.2	91.7	8409
8056	32	2515	766.6	.5	.2	114.0	12996
8057	34	4060	1237.5	.5	.2	144.0	20736
8058	36	6400	1950.7	.5	.2	180.0	32400

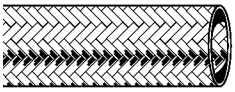
Poly-thermaleze is a Phelps Dodge trademark.

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Shielding and Bonding Cable and Direct Burial Cable

Roadway Loop Cables

Braided Wire



Part No.	Approx. AWG (stranding)	Standard Lengths		Standard Unit Weight		Recommended Current (Amps)	Approximate Circular Area		Nominal ID Tubular	
		Ft.	m	Lbs.	kg		CMA	mm^2	Inch	mm
Braided Wire										
8660	14.3 (96x34) tinned	50	15.2	.7	.3	27.0	3800	1.92	.125	3.18
		250	76.2	3.8	1.7					
8668	13.3 (120x34) tinned	50	15.2	1.1	.5	36.0	4800	2.43	.172	4.37
		250	76.2	5.5	2.5					
8663	11.9 (168x34) tinned	50	15.2	2.1	.9	38.0	6700	3.40	.219	5.56
		250	76.2	7.5	3.4					
8661	11.3 (192x34) tinned	50	15.2	2.2	1.0	46.0	7600	3.85	.203	5.16
		250	76.2	8.0	3.6					
8669	8.9 (336x34) tinned	50	15.2	3.4	1.5	62.0	13300	6.74	.500	12.70
		250	76.2	13.5	6.1					
8662	6.6 (576x34) tinned	50	15.2	4.7	2.1	80.0	22900	11.60	.781	19.84
		250	76.2	20.0	9.1					
8670	3.4 (480x30) tinned	10	3.0	1.9	.9	145.0	48000	24.32	.750 (Flat Width)	19.05
		50	15.2	9.7	4.4					
		250	76.2	43.0	19.5					

Note: Dimensions shown are approximate, due to pliable nature of braided cables.

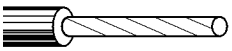
Direct Burial

14 AWG Stranded Conductor (104x34)

Product Description

Tinned copper conductor. Black high-density polyethylene insulation.

Suggested Working Voltage: 600V



Part No.	Insulation Thickness		Jacket Thickness		Nominal OD		Standard Lengths		Standard Unit Weight		Stock Colors
	Inch	mm	Inch	mm	Inch	mm	Ft.	m	Lbs.	kg	
14 AWG Stranded Conductor (104x34)											
80°C											
9438	.032	.81	—	—	.139	3.53	1000	304.8	22.0	10.0	Black

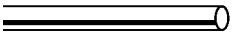
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Bus Bar, Antenna and Aluminum Ground Wire

Bus Bar Wire

Product Description

Made in accordance with the performance requirements of Federal Spec. QQ-W-343G. Solid tinned copper. Belden® can certify upon special request compliance to the performance requirements of QQ-W-343S_S1T.



Part No.	AWG	Standard Lengths		Standard Unit Weight		Nominal OD		Circular Area	
		Ft.	m	Lbs.	kg	Inch	mm	CMA	mm²
Bus Bar Wire									
8025	30	100	30.5	.1	.05	.010	.26	102	.05
		1000	304.8	1.0	.50				
8024	28	100	30.5	.1	.05	.013	.33	164	.08
		1000	304.8	1.0	.50				
8023	26	100	30.5	.1	.05	.016	.41	262	.13
		1000	304.8	1.0	.50				
8022	24	100	30.5	.2	.10	.021	.52	424	.22
		1000	304.8	1.0	.50				
8021	22	100	30.5	.2	.10	.026	.65	650	.33
		1000	304.8	2.0	.90				
8020	20	100	30.5	.4	.20	.033	.83	1056	.54
		1000	304.8	3.0	1.40				
8019	18	100	30.5	.5	.20	.041	1.03	1648	.84
		1000	304.8	6.0	2.70				
8013	16	100	30.5	.8	.40	.052	1.31	2673	1.35
		1000	304.8	9.0	4.10				
8012	14	100	30.5	1.5	.70	.065	1.66	4251	2.15
		1000	304.8	14.0	6.40				
8011	12	100	30.5	2.3	1.00	.083	2.11	6872	3.48

Antenna Wire

Product Description

Stranded bare copper-covered steel.



Part No.	AWG	Standard Package Lengths		Standard Unit Weight		Nominal OD	
		Ft.	m	Lbs.	kg	Inch	mm
Antenna Wire							
8002	16 (7x24)	100	30.5	.8	.4	.060	1.52
8000	14 (7x22)	100	30.5	1.3	.6	.076	1.93
		1000	304.8	13.3	6.1		

Aluminum Ground Wire

Product Description

8 AWG solid, soft annealed aluminum. Packaged in ten 50-foot connected coils or spools of 500 feet. Spools are marked every 100 feet for easy measuring.



Aluminum Ground Wire							
8018	8 (solid)	50	15.2	.9	.4	.128	3.25
		500	152.4	8.5	3.9		

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Technical Information

Conductor and Insulation Materials

The technical information provided in this section has been expanded to include additional graphs and supplementary data as an aid in specifying the hook-up and lead wire best suited to the needs of a particular application. If you require additional technical information, contact Belden Technical Support at **1-800-BELDEN-1**.

The tables on the following pages are offered as a guide to assist users in selecting the correct lead wire for their application.

Conductors

Uni-Strand®

Uni-Strand tinned copper conductor. In this type of construction, the bare copper wires are stranded, then tinned to coat the strands and also to fill in the interstices between strands. This allows for easier wire stripping with no re-twisting operation.

Insulation Materials

PVC

Vinyl plastic insulation is fast stripping, resists oil, solvents, and ozone. The colors are bright and remain distinct after processing. Applications include motors, transformers, fluorescent ballasts and fixtures, switch-boards, panels, controls, rectifiers and electronic circuits. Meets VW-1 Vertical Wire Flame Test in many cases.

Teflon®

Teflon is a fluorinated thermoplastic with outstanding thermal, physical, and electrical properties. Teflon is generally restricted to applications requiring its special characteristics because its basic resin and processing costs are relatively high.

Belden Teflon wire products are highly recommended for miniature cable applications because of their superior thermal and electrical properties. Teflon is especially suitable for internal wiring-soldering applications where insulation melt back is a specific problem. Belden wiring products insulated with Teflon are outstanding in their resistance to oil, oxidation, heat, sunlight and flame; and also in their ability to remain flexible at low temperatures. They have excellent resistance to ozone, water, alcohol, gasoline, acids, alkalis, aromatic hydrocarbons and solvents.

EPDM

EPDM (ethylene-propylene diene elastomer) is a chemically cross-linked elastomer with excellent flexibility at high and low temperatures (+150°C to -60°C). It has good insulation and dielectric strength, as well as excellent abrasion resistance and mechanical properties. EPDM also has better cut-through resistance than Silicone rubber, which it replaces in some applications.

EPDM is compatible with most varnishes. After the dip and bake cycle, however, the varnish tends to adhere to the insulation because EPDM, unlike some rubber insulations, does not exude oils or waxes. As the lead wires are pulled apart for termination or flexed, the varnish cracks, sometimes tearing the insulation.

To help this problem, a stearic solution is applied to the lead wire during the manufacturing process. However, many varnishes may still bond to the insulation unless other special coatings are applied. (Other slip coats are available at additional cost.) **Because most cleaning processes will remove these coatings from the EPDM lead wire, cleaning EPDM lead wire before using in the process is not recommended.**

Due to the above, it is recommended that the compatibility between the individual lead wire size, the bake/varnish process and varnish used always be checked; and if possible, do not allow any varnish to extend beyond a point where the lead wire will be flexed or bent.

XL-Dur®

XL-Dur is a lead wire insulation utilizing thermoset, chemically cross-linked poly-ethylene. Because of its excellent physical and electrical properties, XL-Dur is highly desirable for a wide variety of applications.

Hypalon®

This insulation is chlorosulfonated polyethylene. Hypalon insulation has excellent heat resistance, color stability and electrical properties.

Neoprene

Neoprene insulation has good heat aging characteristics and is an excellent low-cost motor lead wire. It may be considered for use in hazardous locations and is being used in explosion-proof motors recognized by UL.

Silicone Rubber

Braidless Silicone lead wire features easy and clean stripping without the problems associated with glass braid lead wire. It has excellent physical and mechanical strength properties.

Recommended for high-temperature applications in motors, lighting fixtures, clothes dryers, stoves, therapeutic, and electronic devices. It is recommended that varnish compatibility be checked before production. Some rigid varnishes may cause cracking when the wire is severely bent.

Silicone Rubber — Glass Braid

The Silicone insulation strips clean and easy. The glass braid provides additional abrasion resistance and is treated to prevent fraying.

Recommended for high-temperature applications in motors, lighting fixtures, clothes dryers, stoves, therapeutic and electronic devices.

Hypalon and Teflon are DuPont trademarks.

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Technical Information

Insulation Characteristics and Color Codes

Table 1: Insulation Characteristics

Insulation	Temperature Rating	UL Voltage Rating (Volts)	Oil Resistance	Ozone Resistance	Abrasion	Flame Resistance
Neoprene	90°C	300/600	Good	Good	Good	Good
PVC	80°C	300	Good–Excellent	Good–Excellent	Good	Excellent
	105°C	600	Good–Excellent	Good–Excellent	Good	Excellent
Hypalon®	105°C	300/600	Good	Excellent	Good	Good
XL-Dur® Cross-Linked Polyethylene	105°C	300	Good	Good	Excellent	Fair-Good
	125°C	600	Good	Good	Excellent	Fair-Good
	150°C	600	Good	Good	Excellent	Fair-Good
EPDM	125°C	600	Fair–Poor	Good	Good	Fair
	150°C	600	Fair–Poor	Good	Good	Fair
Silicone Rubber	150°C	300	Fair	Good	Poor	Good
	200°C	600	Fair	Good	Poor	Good
Silicone Rubber Glass Braid	150°C	600	Fair	Excellent	Excellent	Good
	200°C	600	Fair	Excellent	Excellent	Good
Teflon®	150°C	300	Excellent	Excellent	Excellent	Excellent
	200°C	300	Excellent	Excellent	Excellent	Excellent
	260°C	300	Excellent	Excellent	Excellent	Excellent

Table 2: Lead Wire Color Code Chart

Color No.	Color Combination	Color No.	Color Combination	Color No.	Color Combination
1	Brown	**13**	Dark Blue	**25**	White/Black/Yellow
2	Red	**14**	White/Black	**26**	White/Black/Blue
3	Orange	**15**	White/Red	**27**	White/Black/Brown
4	Yellow	**16**	White/Green	**28**	White/Black/Orange
5	Green	**17**	White/Yellow	**29**	White/Black/Gray
6	Light Blue	**18**	White/Blue	**30**	White/Black/Violet
7	Violet	**19**	White/Brown	**189**	Green/Yellow
8	Gray (Slate)	**20**	White/Orange	**620**	Green/min. 30% Yellow
9	White	**21**	White/Gray	**876**	Nickel Gray
10	Black	**22**	White/Violet	**B02**	Purple
11	Tan	**23**	White/Black/Red		
12	Pink	**24**	White/Black/Green		

Non-Stock Colors: Non-stock colors and stripes of catalog items are available in minimum quantities. Price and delivery information is available upon request. Orders must be in multiples of standard packages.

Hypalon and Teflon are DuPont trademarks.

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Technical Information
Current Carrying Capacity

Table 3: Lead Wire Current Carrying Capacity

AWG	90°C Neoprene, SIS	105°C Vinyl, Hypalon®	125°C XL-Dur,® Hermetic	150°C EPDM, XL-Dur, Silicone	200°C Silicone
22	10	11	12	14	16
20	13	14	15	18	21
18	18	20	22	24	28
16	24	26	28	31	35
14	35	39	42	46	54
12	40	51	55	60	68
10	55	67	72	80	90
8	80	90	97	106	124
6	105	121	131	155	165
4	140	160	172	109	220
3	165	180	194	214	252
2	190	215	232	255	293
1	220	247	266	293	344
1/0	260	286	309	339	399
2/0	300	329	355	390	467
3/0	350	380	410	451	546
4/0	405	446	481	529	629

Values (amperes) shown in this table are maximum for a single conductor in free air with an assumed ambient room temperature of 30°C (86°F).

Table 4: Current Carrying Capacity of 2 or 3 Conductors

AWG	90°C Neoprene, SIS	105°C Vinyl, Hypalon	125°C XL-Dur, Hermetic	150°C EPDM, XL-Dur, Silicone	200°C Silicone
22	6	7	8	9	10
20	8	9	10	13	15
18	14	15	16	17	20
16	18	19	20	22	25
14	25	29	31	34	36
12	30	36	39	43	45
10	40	46	50	55	60
8	55	64	69	76	83
6	75	81	87	96	110
4	95	109	118	120	125
3	110	129	139	143	152
2	130	143	154	160	171
1	150	168	181	186	197
1/0	170	193	208	215	229
2/0	195	229	247	251	260
3/0	225	263	284	288	297
4/0	260	301	325	332	346

Current carrying capacity of not more than three (3) conductors in a raceway, conduit or cable. The values (amperes) shown in this table are maximum at an assumed ambient room temperature of 30°C (86°F).

Hypalon is a trademark of DuPont.

How to Use

The choice of an appropriate conductor, with respect to current carrying capacity, usually depends on one or more factors which vary according to application. These factors include the temperature in which the lead wire operates, temperature rise of equipment, limitations of insulation, voltage drop, and location of wires as in free air or enclosed, such as formed by a compartment, tubing, or a bundle of wires.

For these reasons it is not practical to provide a general chart showing the current carrying capacity of Lead Wire for all conditions. Accordingly, the values shown in Table 3 are MAXIMUM for a single conductor in free air, based on ambient temperature of 30°C. For actual use temperatures above an ambient temperature of 30°C, reduce the maximum ampacity by use of correction factor in Table 5 to correct the values in Table 3 and Table 4.

Table 5: Correction Factors for Tables 3 & 4

Ambient Temperature (°C)	Insulation Temperature Rating				
	90°C	105°C	125°C	150°C	200°C
31 – 35	.96	1.00	1.00	1.00	1.00
36 – 40	.91	1.00	1.00	1.00	1.00
41 – 45	.87	.93	.94	.95	.97
46 – 50	.82	.93	.94	.95	.97
51 – 55	.76	.85	.87	.90	.94
56 – 60	.71	.85	.87	.90	.94
61 – 70	.58	.76	.80	.85	.90
71 – 80	.41	.65	.73	.80	.87
81 – 90	—	.53	.64	.74	.83
91 – 100	—	.38	.54	.67	.79
101 – 120	—	—	.24	.52	.71
121 – 140	—	—	—	.30	.61
141 – 160	—	—	—	—	.50
161 – 180	—	—	—	—	.35

For ambient temperatures over 30°C, multiply the ampacities shown in Table 3 or Table 4 by the appropriate correction factor to determine the maximum allowable load current.

Correction Factors for Table 4

Number of Conductors	Reduction Percentage
4 thru 6	80%
7 thru 9	70%
10 thru 20	50%
21 thru 30	45%
31 thru 40	40%
41 and above	35%

If more than three (3) conductors are in a raceway, conduit or cable; the values given in Table 4 must be reduced using the above percentages.

(Example: The ampacity for 7 through 9 conductors = 70% of the the value(s) shown in Table 4.)

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Technical Information

Temperature Ranges and Classifications
Conductor Configurations

Table 6: Nominal Temperature Operating Ranges (°C)

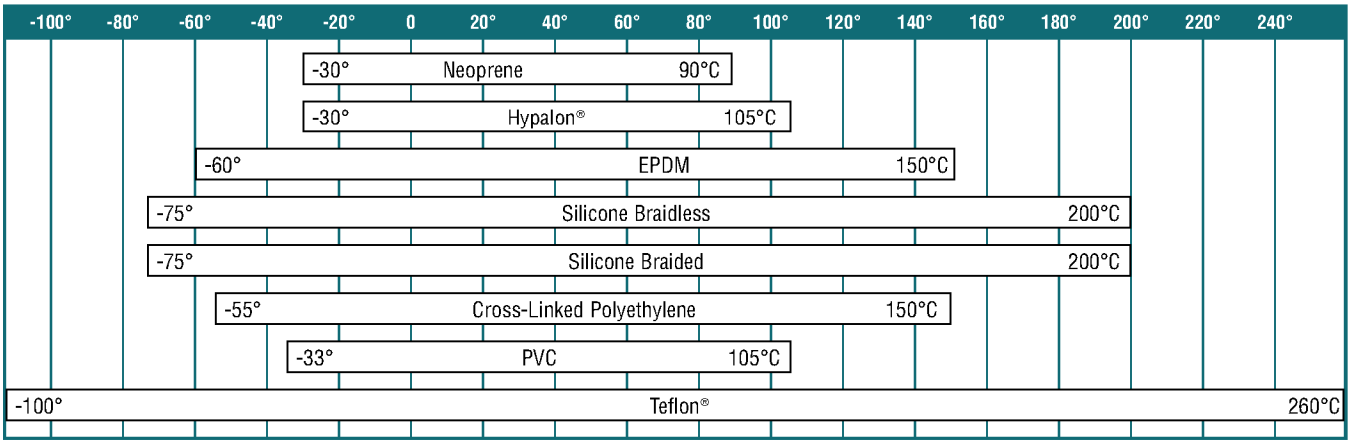


Table 7: Temperature Classification

Insulation System Class	Minimum Acceptable Lead Wire Temperature Rating	
	C°	F°
130(B)	90	194
155(F)	125	257
180(H)	150	302
220(R)	200	392

Systems of Insulating Materials — UL Standard 1446

This is a guide intended for UL approved insulation systems connected to branch circuits of 600V or less. Approval required by Underwriters Laboratories when using lead wire with a temperature rating more than 5°C under the system temperature rating.

Table 8: Conductor Configurations

Typical Application	American Wire Gage							
	12	14	16	18	20	22	24	26
Fixed Services Hook-Up Wire Cable in Raceway	19x25	solid or 19x27	solid or 19x29	solid or 7x26 or 16x30	solid or 7x28 or 10x30	solid or 7x30	solid or 7x32	solid or 7x34
Moderate Flexing Frequently Disturbed For Maintenance	65x30	19x27 or 41x30	19x29 or 26x30	16x30 or 41x34	7x28, 10x30, 19x32, or 26x34	7x30 or 19x34	7x34 or 10x34	7x34
Severe Flexing Microphone Test Prods	165x34	104x34	65x34 or 104x36	41x34 or 65x36	26x34 or 42x36	19x34 or 26x36	19x36 or 45x40	7x34 or 10x36
Most Severe Duty Mercury Switches	259x36 (7x37 Rope Lay)*	168x36 (7x24 Rope Lay)*	105x36 (7x15 Rope Lay)*	63x36 (7x9 Rope Lay)*	105x40 (3x35 Rope Lay)*	(Consider Braid or Tinsel)		

Note: For a given AWG wire size (based on equal cross-sectional area of conductor), limpness and flex life are increased by use of a large number of fine strands. The finer stranding does result in higher costs.

*Rope Lay is several stranded groups cabled together. For example: #12 AWG, 259x36 is 7 cords each consisting of 37 strands of #36 AWG

Hypalon and Teflon are DuPont trademarks.

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Technical Information
Packaging

Drums



Conductor is available in three drum pack sizes:

- The #15 Beldpak® is 15″ high and 23″ in diameter.
- The #31 Beldpak is 30½″ high and 23″ in diameter.
- The #42 Beldpak (pictured) is 42″ high and 23″ in diameter.

Price and delivery information is available upon request.

OD of Wire		#15 Beldpak		#31 Beldpak		#42 Beldpak	
Inch	mm	1000′	km	1000′	km	1000′	km
.070	1.78	35	10.7	70	21.3	85	25.9
.080	2.03	27	8.2	55	16.8	70	21.3
.090	2.29	21	6.4	43	13.1	55	16.8
.100	2.54	17	5.2	35	10.7	48	14.6
.110	2.79	12	3.7	25	7.6	40	12.2
.120	3.05	10	3.0	20	6.1	34	10.4
.130	3.30	9	2.7	18	5.5	30	9.1
.140	3.56	8	2.4	15	4.6	20	6.1
.150	3.81	7	2.1	14	4.3	18	5.5
.160	4.06	6	1.8	12	3.7	16	4.9
.170	4.32	5	1.5	10	3.0	14	4.3

Reels

Reel dimensions will vary by size, determined by AWG of wire.



Special Orders

Orders for special packages must be placed for footage mentioned or for multiples for these quantities per color.

OD of Wire		Quantity		Crate Reels*	Head Diameter		Barrel Diameter		Height Transverse	
Inch	mm	1000′	km		Inch	mm	Inch	mm	Inch	mm
.080	2.03	10.0	3.05	1748	15¾	400	8	203	8	203
.090	2.29	8.0	2.44	1748	15¾	400	8	203	8	203
.100	2.54	6.5	1.98	1748	15¾	400	8	203	8	203
.110	2.79	5.0	1.52	1748	15¾	400	8	203	8	203
.120	3.05	6.0	1.83	1747	15¾	400	8	203	10½	267
.130	3.30	5.0	1.52	1747	15¾	400	8	203	10½	267
.140	3.56	6.0	1.83	1746	17¾	451	8	203	10½	267
.150	3.81	5.0	1.52	1746	17¾	451	8	203	10½	267
.160	4.06	4.5	1.37	1746	17¾	451	8	203	10½	267
.170	4.32	7.0	2.13	1744	22	559	10	254	14¼	362
.180	4.57	6.0	1.83	1744	22	559	10	254	14¼	362
.190	4.83	5.5	1.68	1744	22	559	10	254	14¼	362
.200	5.08	5.0	1.52	1744	22	559	10	254	14¼	362
.250	6.35	5.0	1.52	1743	26	660	10	254	14¼	362
.300	7.62	3.5	1.07	1743	26	660	10	254	14¼	362
.350	8.89	2.5	.76	1743	26	660	10	254	14¼	362
.400	10.16	2.0	.61	1743	26	660	10	254	14¼	362
.450	11.43	1.5	.46	1743	26	660	10	254	14¼	362
.500	12.70	1.2	.37	1743	26	660	10	254	14¼	362
.550	13.97	1.0	.31	1743	26	660	10	254	14¼	362
.600	15.24	1.2	.37	1733	30	762	10	254	14¼	362

*Crate Reel numbers are Belden's internal numbers. They are representative only to the extent of the dimensions shown. Weight of the wire may require another reel with dimensions identical to those shown.

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Belden



Multi-Conductor

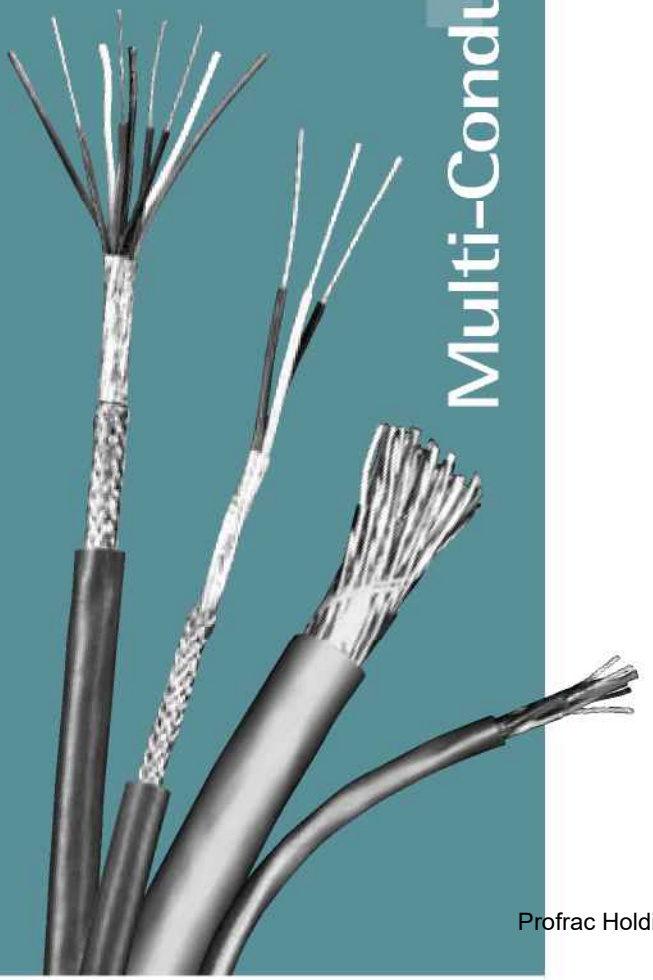


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Please refer to "Terms of Use of Master Catalog" on page 16.30.

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Introduction

Belden® multi-conductor cables are manufactured in a wide variety of gage sizes, dimensions, insulation materials, shielding configurations, and jacketing materials including Plenum and High-Temperature versions. These cables meet the technical requirements of many different types of systems. In fact, Belden offers one of the broadest lines of UL Listed, NEC and CEC multi-conductor cables available from any single source.

Applications for multi-conductor cables include computers, communications, instrumentation, sound, control, audio, and data transmission. Each of these cables is designed to protect signal integrity under critical conditions by reducing hum, noise, and crosstalk.

To assist you in selecting the proper cable for your application, both the suggested working voltages and the maximum temperature ratings are indicated for each applicable product in this section.

Most of our multi-conductor cables are available from stock. Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find a multi-conductor cable in this catalog section that meets your technical requirements, contact Technical Support at 1-800-BELDEN-1.

Multi-Conductor Cables Packaging

Belden's unique UnReel® cable dispenser is available for many of the multi-conductor products listed in this section. The letter "U" before the specified put-up length denotes UnReel packaging.

Shielded Multi-Conductor Computer Cables for RS-232 Applications

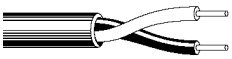
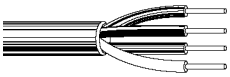
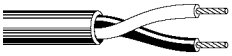
Specifications			Cable Series* 9925	9608	9533	9939
Conductor Size: (AWG)		28				
		24	✓	✓	✓	
		22				✓
		20				
		18				
		Page No.	4.18	4.17	4.11	4.19
Insulation:	**S-R PVC**			✓	✓	✓
	Polyethylene					
	Polypropylene					
	Datalene®†		✓			
Shield:	**Overall Foil**				✓	
	Drain Wire		✓		✓	
	Overall Foil/Braid		✓	✓		✓
	Braid Coverage		65%	65%		65%
Drain Wire Overall:			Yes	No	Yes	No
No. of Cond. Available:		1				
		2				
		3	✓	✓	✓	✓
		4	✓	✓	✓	✓
		5	✓	✓	✓	✓
		6	✓	✓	✓	✓
		7	✓	✓	✓	✓
		8	✓	✓	✓	✓
		9	✓	✓	✓	✓
		10	✓	✓	✓	✓
		11				
		12				
		13				
		15	✓	✓	✓	✓
		17				
		18				
		19				
		20			✓	
		25	✓	✓	✓	✓
		27				
		30			✓	
		31				
		37	✓	✓		✓
		40			✓	
		50		✓	✓	✓
Capacitance ** (pF/ft.)			12.0	30.0	30.0	35.0

*All cables are UL-listed.
**Capacitance may vary on some cables.
†Foam high density polyethylene.

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Unshielded

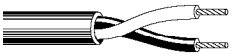
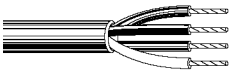
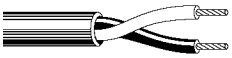
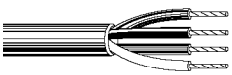
Audio, Control and Instrumentation Cables
Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
22 AWG Solid Conductors • Bare Copper • Conductors Cabled														
Polyethylene Insulation • Rose Gray PVC Jacket														
UL AWM Style 2092 (300V 60°C) 	**8795**	NEC: CM CEC: CM	2	Red, Green	U-500 U-1000 1000	U-152.4 U-304.8 304.8	10.0 19.0 21.0	4.5 8.6 9.5	.018	.46	.022	.56	.168	4.27
UL AWM Style 2093 (300V 60°C) 	**8794**	NEC: CM	3	Green, Red, Yellow	U-1000 1000	U-304.8 304.8	22.0 23.0	10.0 10.5	.018	.46	.022	.56	.178	4.52
UL AWM Style 2094 (300V 60°C) 	**9794**	NEC: MP, CM	4	Green, Red, Yellow, Black	U-500 U-1000 1000	U-152.4 U-304.8 304.8	14.0 27.0 27.0	6.4 12.3 12.3	.018	.46	.025	.64	.200	5.08
22 AWG Stranded Conductors (7x30) • Tinned Copper • Conductors Cabled														
PVC Insulation • Chrome PVC Jacket														
	**8442**	NEC: CMG CEC: CMG FT4	2	Black, Red	100 U-500 500 U-1000 1000 10000	30.5 U-152.4 152.4 U-304.8 304.8 3048.0	2.4 7.5 7.5 15.0 15.0 150.0	1.1 3.4 3.4 6.8 6.8 68.2	.015	.38 For Plenum versions of 8442, see 88442 or 82442.	.025	.64	.170	4.32
UL AWM Style 2576 (150V 80°C) 	**8443**	NEC: CMG CEC: CMG FT4	3	Black, Red, Green	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	2.8 9.5 9.5 18.0 18.0	1.3 4.3 4.3 8.2 8.2	.010	.25	.032	.81	.172	4.37
	8444	NEC: CMG CEC: CMG FT4	4	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.2 11.5 11.5 22.0 23.0	1.5 5.2 5.2 10.0 10.5	.010	.25 For Plenum versions of 8444, see 88444 or 82444.	.032	.81	.185	4.70
	8445	NEC: CMG CEC: CMG FT4	5	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.5 13.5 13.5 26.0 26.0	1.6 6.1 6.1 11.8 11.8	.010	.25	.032	.81	.194	4.93
	9430	NEC: CMG CEC: CMG FT4	7	See Chart 1 (Tech Info Section)	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	16.5 17.0 33.0 33.0	7.5 7.7 15.0 15.0	.010	.25	.032	.81	.214	5.44
	9421	NEC: CMG CEC: CMG FT4	8	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	4.7 18.5 19.0 37.0 37.0	2.1 8.4 8.6 16.8 16.8	.010	.25	.032	.81	.229	5.82
	9423	NEC: CMG CEC: CMG FT4	9	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	5.2 21.5 21.5 42.0 42.0	2.4 9.8 9.8 19.1 19.1	.010	.25	.032	.81	.244	6.20
	8456	NEC: CMG CEC: CMG FT4	10	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	5.7 22.5 23.0 45.0 46.0	2.6 10.2 10.5 20.5 20.9	.010	.25	.032	.81	.264	6.71

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Unshielded

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

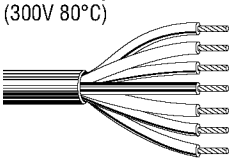
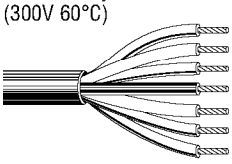
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
22 AWG Stranded Conductors (7x30) • Tinned Copper • Conductors Cabled *(continued)*														
PVC Insulation • Chrome PVC Jacket														
UL AWM Style 2576 (150V 80°C) 	**8457**	NEC: CMG CEC: CMG FT4	12	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	6.3 26.0 26.0 51.0 52.0	2.9 11.8 11.8 23.2 23.6	.010	.25	.032	.81	.272	6.91
	8458	NEC: CMG CEC: CMG FT4	15	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.3 34.5 72.0	3.3 15.7 32.7	.010	.25	.040	1.02	.315	8.00
	9431	NEC: CMG CEC: CMG FT4	20	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.1 48.5 87.0	4.1 22.0 39.5	.010	.25	.040	1.02	.345	8.76
	8459	NEC: CMG CEC: CMG FT4	25	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	11.1 55.0 109.0	5.0 25.0 49.5	.010	.25	.040	1.02	.387	9.83
	9432	NEC: CMG CEC: CMG FT4	30	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	12.5 62.5 124.0	5.7 28.4 56.4	.010	.25	.040	1.02	.400	10.16
	9433	NEC: CMG CEC: CMG FT4	40	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	16.7 83.0 161.0	7.6 37.7 73.2	.010	.25	.040	1.02	.455	11.56
	9434	NEC: CMG CEC: CMG FT4	50	See Chart 2R (Tech Info Section)	500 1000	152.4 304.8	100.5 206.0	45.7 93.6	.010	.25	.045	1.14	.500	12.70
Plenum • FEP Insulation • Red FEP Jacket														
300V RMS, Non-conduit 	**88442***	NEC: CMP CEC: CMP FT6	2	Black, Red	100 500† 1000†	30.5 152.4 304.8	2.3 5.5 10.0	1.0 2.5 4.5	.006	.15	.012	.30	.102	2.59
Non-conduit 	**88444**	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	100 500† 1000†	30.5 152.4 304.8	3.0 9.0 16.0	1.4 4.1 7.3	.006	.15	.010	.25	.121	3.07
Suitable for Outdoor and Direct Burial applications.														
Plenum • FEP Insulation • Natural Flamarrest® Jacket														
300V RMS, Non-conduit 	**82442*** new	NEC: CMP CEC: CMP FT6	2	Black, Red	U-1000† 1000†	U-304.8 304.8	83.0 84.0	37.7 38.2	.006	.15	.014	.36	.112	2.84
Non-conduit 	**82444**	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	U-500† U-1000† 1000†	U-152.4 U-304.8 304.8	8.5 17.0 17.0	3.9 7.7 7.7	.006	.15	.015	.38	.134	3.40

* Twisted Pair
† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

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Unshielded

Audio, Control and Instrumentation Cables
Non-Plenum

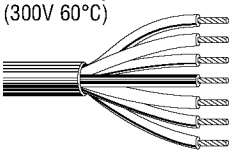
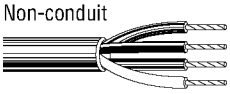
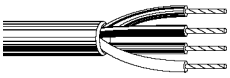
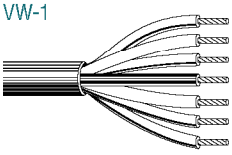
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
20 AWG Stranded Conductors (7x28) • Tinned Copper • Conductors Cabled														
PVC Insulation • Chrome PVC Jacket														
UL AWM Style 2464 (300V 80°C) 	**9444**	NEC: CMG CEC: CMG FT4	4	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	4.0 16.5 16.5 32.0 32.0	1.8 7.5 7.5 14.5 14.5	.013	.33	.032	.81	.217	5.51
	9445	NEC: CMG CEC: CMG FT4	5	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	4.9 19.5 20.0 39.0 40.0	2.2 8.9 9.1 17.7 18.2	.013	.33	.032	.81	.239	6.07
	9439	NEC: CMG CEC: CMG FT4	7	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	6.2 26.5 27.0 52.0 53.0	2.8 12.0 12.3 23.6 24.1	.013	.33	.032	.81	.260	6.60
	9455	NEC: CMG CEC: CMG FT4	9	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.1 35.0 67.0	3.2 15.9 30.5	.013	.33	.035	.89	.317	8.05
	9457	NEC: CMG CEC: CMG FT4	12	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.9 43.5 85.0	4.0 19.8 38.6	.013	.33	.035	.89	.338	8.58
	9458	NEC: CMG CEC: CMG FT4	15	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	12.0 57.0 111.0	5.5 25.9 50.5	.013	.33	.040	1.02	.389	9.88
18 AWG Stranded Conductors (19x30) • Tinned Copper • Conductors Cabled														
PVC Insulation • Chrome PVC Jacket														
UL AWM Style 2598 (300V 60°C) 	**8489**	NEC: CMG CEC: CMG FT4	4	See Chart 1 (Tech Info Section)	100 250 U-500 500 U-1000 1000	30.5 76.2 U-152.4 152.4 U-304.8 304.8	5.6 12.0 23.5 24.0 47.0 48.0	2.5 5.5 10.7 10.9 21.4 21.8	.017	.43	.032	.81	.257	6.53
	8465	NEC: CMG CEC: CMG FT4	5	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	7.1 30.0 30.0 59.0 60.0	3.2 13.6 13.6 26.8 27.3	.017	.43	.033	.84	.282	7.16
	8467	NEC: CMG CEC: CMG FT4	7	See Chart 1 (Tech Info Section)	100 250 500 1000	30.5 76.2 152.4 304.8	8.3 20.3 39.5 79.0	3.8 9.2 18.0 35.9	.017	.43	.037	.94	.314	7.98
	8469	NEC: CMG CEC: CMG FT4	9	See Chart 1 (Tech Info Section)	100 250 500 1000	30.5 76.2 152.4 304.8	10.5 26.0 51.0 105.0	4.8 11.8 23.2 47.7	.017	.43	.037	.94	.364	9.25
	8466	NEC: CMG CEC: CMG FT4	12	See Chart 2R (Tech Info Section)	100 250 500 1000	30.5 76.2 152.4 304.8	13.2 32.5 66.0 131.0	6.0 14.8 30.1 59.5	.017	.43	.040	1.02	.412	10.46
	8468	NEC: CMG CEC: CMG FT4	15	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	18.1 89.5 175.0	8.2 40.7 79.5	.017	.43	.045	1.14	.500	12.70

For Plenum versions of 8489, see 88489 or 82489.

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Unshielded

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

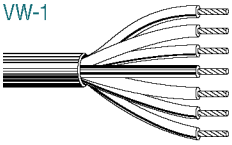
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm
18 AWG Stranded Conductors (19x30) • Tinned Copper • Conductors Cabled *(continued)*														
PVC Insulation • Chrome PVC Jacket														
UL AWM Style 2598 (300V 60°C) 	**8619**	NEC: CMG CEC: CMG FT4	19	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	20.4 101.0 198.0	9.3 45.9 90.0	.017	.43	.045	1.14	.490	12.45
	9626	NEC: CMG CEC: CMG FT4	25	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	28.1 139.5 277.0	12.8 63.4 125.9	.017	.43	.060	1.52	.612	15.54
Plenum • FEP Insulation • Red FEP Jacket														
Non-conduit  Suitable for Outdoor and Direct Burial applications.	**88489**	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	500† 1000†	152.4 304.8	16.5 31.0	7.5 14.1	.007	.18	.009	.23	.161	4.09
Plenum • FEP Insulation • Natural Flamarrest® Jacket														
Non-conduit 	**82489**	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	U-1000† 1000†	U-304.8 304.8	31.0 31.0	14.1 14.1	.007	.18	.014	.36	.170	4.32
16 AWG Stranded Conductors (19x29) • Tinned Copper • Conductors Cabled														
PVC Insulation • Cabled Wire (No Jacket)														
UL AWM Style 1007 (300V 80°C) VW-1 	**9498**		3	Orange, Black, Orange w/ Black Stripe	1000	304.8	42.0	19.1	.027	.69	—	—	.243	6.17
PVC Insulation • Chrome PVC Jacket														
600V RMS 80°C VW-1 	**8620**		4	See Chart 2 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.9 44.0 88.0	4.0 20.0 40.0	.031	.79	.042	1.07	.376	9.55
	9620		5	See Chart 2 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	11.0 53.5 109.0	5.0 24.3 49.5	.031	.79	.042	1.07	.411	10.44
	8621		7	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	14.9 73.5 143.0	6.8 33.4 65.0	.031	.79	.045	1.14	.458	11.63
	9721		8	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	27.5 136.5 269.0	12.5 62.0 122.3	.031	.79	.045	1.14	.496	12.60
	9621		9	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	19.0 93.5 180.0	8.7 42.5 81.8	.031	.79	.045	1.14	.533	13.54
	8622		12	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	27.0 126.0 251.0	12.3 57.3 114.1	.031	.79	.060	1.52	.627	15.93
	8623		15	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	32.4 155.0 314.0	14.7 70.5 142.7	.031	.79	.060	1.52	.694	17.63
	8624		19	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	38.5 178.5 361.0	17.5 81.1 164.1	.031	.79	.065	1.65	.740	18.80
	9622		25	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	49.0 236.0 480.0	22.3 107.3 218.2	.031	.79	.065	1.65	.879	22.33

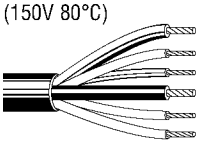
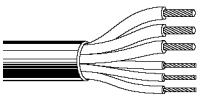
†Spools and/or UnReel® cartons are one piece, but length may vary ± 10% for spools and ± 5% for UnReel from length shown.

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Unshielded

Audio, Control, Communication and Instrumentation Cables
Non-Plenum and Special Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm
14 AWG Stranded Conductors (19x27) • Tinned Copper • Conductors Cabled														
PVC Insulation • Chrome PVC Jacket														
600V RMS 80°C VW-1 	**8627**		4	See Chart 2 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	15.5 75.0 145.0	7.1 34.1 65.9	.045	1.14	.045	1.14	.490	12.45
	9623		5	See Chart 2 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	19.6 96.5 192.0	8.9 43.9 87.3	.045	1.14	.060	1.52	.573	14.55
	8628		7	See Chart 2 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	25.8 128.0 254.0	11.7 58.2 115.5	.045	1.14	.060	1.52	.623	15.82
	8629		12	See Chart 2 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	46.3 222.0 454.0	21.0 100.9 206.4	.045	1.14	.065	1.65	.824	20.93

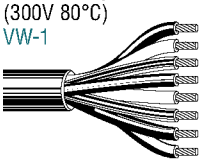
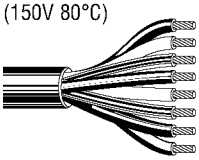
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm	Nominal Capacitance * pF/ Ft.	Nominal Capacitance * pF/ m	Nominal Capacitance ** pF/ Ft.	Nominal Capacitance ** pF/ m
22 and 18 AWG Stranded Conductors (7x30 and 16x30) • Tinned Copper • Conductors Cabled																		
PVC Insulation • Chrome PVC Jacket																		
UL AWM Style 2576 (150V 80°C) 	**8446**	NEC: CMG CEC: CMG FT4	6: 4 Unshld 22 (7x30) 2 Unshld 18 (16x30)	Red, Green, Brown, Blue Black, White	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	5.2 21.0 21.5 42.0 42.0	2.4 9.5 9.8 19.1 19.1	.010 .019	.25 .48	.032	.081	.236	5.99	30	98	54	177
20 and 16 AWG Stranded Conductors (7x28 and 19x28) • Tinned Copper • Conductors Cabled																		
PVC Insulation • Chrome PVC Jacket																		
NEC Article 800 (90°C) 	**9686**	NEC: CM	6: 3 Unshld 20 (7x28) 3 Unshld 16 (19x28)	Green, Blue, Purple Black, Red, Yellow	U-500	U-152.4	33.0	15.0	.012 .013	.30 .33	.032	.81	.295	7.49	20 30	66 98	36 54	118 177

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to ground.

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Unshielded

Antenna Rotor Control Cables and Duplex Primary Wire

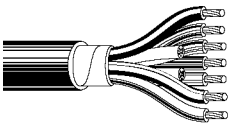
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	AWG (stranding)	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm
Antenna Rotor Cables Stranded Conductors • Tinned Copper • Conductors Cabled															
PVC Insulation • Chrome PVC Jacket															
UL AWM Style 2464 (300V 80°C) VW-1 	**9405**	NEC: CM	8	Black, White	2@16 (19x28)	500 1000	152.4 304.8	47.0 92.0	21.4 41.8	.019	.48	.032	.81	.345	8.76
				Brown, Red Yellow, Blue, Orange, Green	6@18 (16x30)					.018	.46				
UL AWM Style 2576 (150V 80°C) 	**8448**	NEC: CMG CEC: CMG FT4	8	Black, White	2@18 (16x30)	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	25.0 25.5 49.0 50.0	11.4 11.6 22.3 22.7	.019	.48	.032	.81	.259	6.58
				Red, Green, Brown, Blue, Yellow, Orange	6@22 (7x30)					.010	.25				
Duplex Primary Wire Stranded Conductors • Bare Copper • Conductors Parallel															
PVC Insulation • Chrome PVC Jacket															
300V RMS 75°C VW-1 	**8677**		2	Brown, Red	16 (19x29)	500	152.4	18.5	8.4	.024	.61	.022	.56	.149 x .254	3.78 x 6.45
	8675		2	Brown, Red	14 (19x27)	500	152.4	24.0	10.9	.023	.58	.023	.58	.168 x .290	4.27 x 7.37
	8673		2	Brown, Red	12 (19x25)	500	152.4	32.5	14.8	.026	.65	.022	.56	.186 x .328	4.72 x 8.33
	8678		2	Brown, Red	10 (19x23)	500	152.4	50.5	23.0	.031	.77	.025	.64	.225 x .400	5.72 x 10.16

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Unshielded

Power and Control Cables

Rubber and Oil Resistant Rubber SO Cables

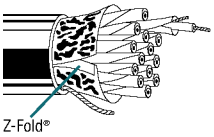
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
16 AWG Stranded Conductors (65x34) • Bare Copper • Conductors Cabled with Fillers • Paper Tape Separator														
Rubber Insulation • Black Oil-resistant Rubber Jacket														
600V RMS 60°C 	**9420**	UL: SO CSA: SO	5	See Chart 2 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	14.9 73.5 143.0	6.8 33.4 65.0	.033	.838	.084	2.13	.506	12.85
	9422	UL: SO CSA: SO	7	See Chart 2 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	20.3 101.0 201.0	9.2 45.9 91.4	.033	.838	.083	2.11	.581	14.76
	9424	UL: SO CSA: SO	9	See Chart 2 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	28.6 150.5 288.0	13.0 68.4 130.9	.033	.838	.100	2.54	.720	18.29
	9425	UL: SO CSA: SO	12	See Chart 2 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	31.6 165.5 318.0	14.4 75.2 144.5	.033	.838	.100	2.54	.720	18.29
	9427	UL: SO CSA: SO	16	See Chart 2 (Tech Info Section)	100 1000	30.5 304.8	41.2 428.0	18.7 194.5	.033	.838	.100	2.54	.787	19.99
	9429	UL: SO CSA: SO	20	See Chart 2 (Tech Info Section)	100 500	30.5 152.4	48.4 233.0	22.0 105.9	.033	.838	.100	2.54	.862	21.89

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Overall Beldfoil® Shield

Computer Cables for Synchronous EIA Interface

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imped. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				Ft.	m	Lbs.	kg	Inch	mm	Cond.	Shield			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
28 AWG Stranded (7x36) • Tinned Copper • Individually and Overall Beldfoil Shielded • 28 AWG Stranded TC Drain Wires																	
Datalene® Insulation • Gray PVC Jacket																	
UL AWM Style 2384 (30V 60°C)	**9868**	NEC: CM	14	1000	304.8	71.0	32.4	.394	10.01	64.9Ω/M′ 212.9Ω/km	Individual: 44.0Ω/M′ 144.4Ω/km Overall: 18.2Ω/M′ 59.7Ω/km	65	78%	—	—	20.5	67.3



Z-Fold®

Individually Beldfoil shielded conductors are isolated from adjacent shields and each has a 28 AWG stranded drain wire.

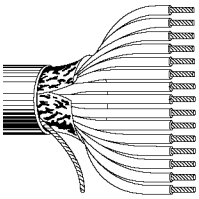
DCR = DC Resistance • TC = Tinned Copper

Datalene insulation features include a low dielectric constant and a low dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

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Overall Beldfoil® Shield

Computer Cables for EIA RS-232 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) • Tinned Copper • Conductors Cabled • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire																		
Semi-rigid PVC Insulation • Chrome PVC Jacket																		
UL AWM Style 2464 (300V 80°C) 	**9533**	NEC: CMG CEC: CMG FT4	3	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	2.7 9.0 9.0 17.0 18.0	1.2 4.1 4.1 7.7 8.2	.010	.25	.032	.81	.162	4.11	33	108	65	213
	9534	NEC: CMG CEC: CMG FT4	4	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.0 11.0 11.5 21.0 22.0	1.4 5.0 5.2 9.5 10.0	.010	.25	.032	.81	.184	4.67	33	108	65	213
	9535	NEC: CMG CEC: CMG FT4	5	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.2 12.0 12.5 23.0 24.0	1.5 5.5 5.7 10.5 10.9	.010	.25	.032	.81	.189	4.80	33	108	65	213
	9536	NEC: CMG CEC: CMG FT4	6	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.6 14.5 14.5 28.0 28.0	1.6 6.6 6.6 12.7 12.7	.010	.25	.032	.81	.209	5.31	33	108	65	213
	9537	NEC: CMG CEC: CMG FT4	7	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.8 15.0 15.5 30.0 30.0	1.7 6.8 7.0 13.6 13.6	.010	.25	.032	.81	.209	5.31	33	108	65	213
	9538	NEC: CMG CEC: CMG FT4	8	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	4.3 17.0 17.0 33.0 33.0	2.0 7.7 7.7 15.0 15.0	.010	.25	.032	.81	.224	5.69	33	108	65	213
	9539	NEC: CMG CEC: CMG FT4	9	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	5.0 20.0 20.5 40.0 40.0	2.3 9.1 9.3 18.2 18.2	.010	.25	.032	.81	.244	6.20	30	98	55	180
	9540	NEC: CMG CEC: CMG FT4	10	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	4.9 19.5 20.0 39.0 42.0	2.2 8.9 9.1 17.7 19.1	.010	.25	.032	.81	.244	6.19	30	98	55	180
	9541	NEC: CMG CEC: CMG FT4	15	See Chart 2R (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	6.4 27.0 27.0 53.0 53.0	2.9 12.3 12.3 24.1 24.1	.010	.25	.032	.81	.284	7.21	30	98	55	180
	9542	NEC: CMG CEC: CMG FT4	20	See Chart 2R (Tech Info Section)	100 U-500 500 1000	30.5 U-152.4 152.4 304.8	7.2 34.5 34.0 69.0	3.3 15.7 15.5 31.4	.010	.25	.032	.81	.314	7.98	30	98	55	180
	9543	NEC: CMG CEC: CMG FT4	25	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.7 44.0 86.0	4.0 20.0 39.1	.010	.25	.032	.81	.339	8.61	30	98	55	180
	9544	NEC: CMG CEC: CMG FT4	30	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	10.3 51.5 102.0	4.7 23.4 46.4	.010	.25	.040	1.02	.380	9.65	30	98	55	180
	9545	NEC: CMG CEC: CMG FT4	40	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	13.6 65.0 130.0	6.2 29.5 59.1	.010	.25	.040	1.02	.430	10.92	30	98	55	180
	9546	NEC: CMG CEC: CMG FT4	50	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	16.5 81.5 168.0	7.5 37.0 76.4	.010	.25	.045	1.14	.490	12.45	30	98	55	180

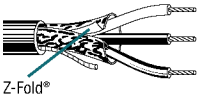
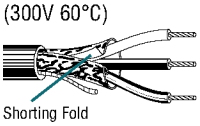
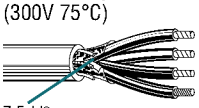
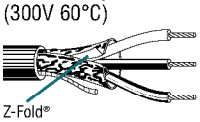
TC = Tinned Copper

*Capacitance between conductors. **Capacitance between one conductor and other conductors connected to shield.

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Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables
Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Stranded (7x30) • Tinned Copper • Conductors Cabled • Overall 100% Beldfoil Shield • 22 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Brown PVC Jacket																		
300V RMS	**9770**	NEC:	3	Black,	U-500	U-152.4	9.0	4.1	.008	.20	.020	.51	.145	3.68	32	105	60	197
		CM		Red,	500	152.4	9.0	4.1										
		CEC:		White	U-1000	U-304.8	17.0	7.7										
		CM			1000	304.8	17.0	7.7										
 Z-Fold®																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2093 (300V 60°C)	**8771**	NEC:	3	Black,	250	76.2	6.3	2.8	.016	.41	.033	.84	.199	5.05	23	75	41	134
		CM		Red,	U-500	U-152.4	12.0	5.5										
		CEC:		Clear	500	152.4	12.0	5.5										
		CM			U-1000	U-304.8	24.0	10.9										
 Shorting Fold					1000	304.8	24.0	10.9										
					10000	3048.0	240.0	109.1										
22 AWG Stranded (19x34) • Tinned Copper • Conductors Cabled • Overall 100% Beldfoil Shield • 23 and 25 AWG Drain Wires†																		
Polyethylene Insulation • White PVC Jacket																		
UL AWM Style 2094 (300V 75°C)	**8729**	NEC:	4	Black,	U-500	U-152.4	23.5	10.7	.016	.41	.051	1.30	.257	6.53	22	72	42	138
		CM, CL3		Red,	500	152.4	23.5	10.7										
		CEC:		Green,	U-1000	U-304.8	46.0	20.9										
		CM		Clear	1000	304.8	47.0	21.4										
 Z-Fold®																		
20 AWG Stranded (7x28) • Tinned Copper • Conductors Cabled • Overall 100% Beldfoil Shield • 20 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2093 (300V 60°C)	**8772**	NEC:	3	Black,	U-500	U-152.4	16.0	7.3	.016	.41	.033	.84	.218	5.54	27	89	51	167
		CM		Red,	500	152.4	16.0	7.3										
		CEC:		Clear	U-1000	U-304.8	31.0	14.1										
		CM			1000	304.8	31.0	14.1										
 Z-Fold®																		

† 8729 has three 23 AWG solid and one 25 AWG stranded tinned copper-coated steel drain wires.

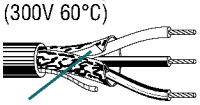
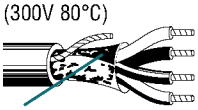
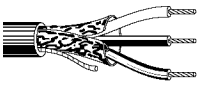
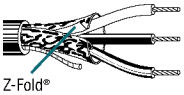
TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to ground.

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Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
18 AWG Stranded (16x30) • Tinned Copper • Conductors Cabled • Overall 100% Beldfoil Shield • 20 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2093 (300V 60°C)  Shorting Fold	**8770**	NEC: CM CEC: CM	3	Black, Red, Clear	U-500 500 U-1000 1000 10000	U-152.4 152.4 U-304.8 304.8 3048.0	20.0 20.5 39.0 40.0 430.0	9.1 9.3 17.7 18.2 195.5	.018	.46	.033	.84	.246	6.25	24	79	48	157
											For Plenum version of 8770, see 88770.							
18 AWG Stranded (19x30) • Tinned Copper • Conductors Cabled • Overall 100% Beldfoil Shield • 20 AWG Stranded TC Drain Wire																		
Semi-rigid PVC Insulation • Chrome PVC Jacket																		
UL AWM Style 2464 (300V 80°C)  Z-Fold®	**9418**	NEC: CMG CEC: CMG FT4	4	Red, Green, Black, White	100 U-500 500 U-1000 1000 10000	30.5 U-152.4 152.4 U-304.8 304.8 3048.0	5.9 25.0 25.5 50.0 50.0 530.0	2.7 11.4 11.6 22.7 22.7 240.9	.010	.25	.035	.89	.245	6.22	70	230	120	394
											For Plenum versions of 9418, see 89418 or 82418.							
Plenum • FEP Insulation • Red FEP Jacket																		
Non-conduit 	**88770** new	NEC: CMP CEC: CMP FT6	3	Black, White, Red	500† 1000†	152.4 304.8	18.0 34.0	8.2 15.5	.007	.18	.014	.36	.161	4.09	54	177	96	315
Suitable for Outdoor and Direct Burial applications.																		
Non-conduit 	**89418**	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	100 500† 1000†	30.5 152.4 304.8	5.5 20.0 41.0	2.5 9.1 18.6	.007	.18	.014	.36	.177	4.50	30	98	57	187
Suitable for Outdoor and Direct Burial applications.																		
Plenum • FEP Insulation • Natural Flamarrest® Jacket																		
Non-conduit 	**82418**	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	U-1000† 1000†	U-304.8 304.8	35.0 39.0	15.9 17.7	.007	.18	.014	.36	.176	4.47	35	115	63	207
16 AWG Stranded (19x29) • Tinned Copper • Conductors Cabled • Overall 100% Beldfoil Shield • 18 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2107 (600V 60°C)  Z-Fold®	**8618**	NEC: CL3	3	Black, Red, Clear	U-500 500 1000	U-152.4 152.4 304.8	32.0 32.0 67.0	14.5 14.5 30.5	.031	.73	.031	.79	.327	8.3	26	85	50	164

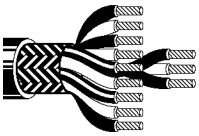
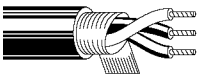
TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
†Spools and/or UnReel® cartons are one piece, but length may vary ± 10% for spools and ± 5% for UnReel from length shown.

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Overall Braid and Special Shielding

Audio, Control and Instrumentation Cables
Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
30 AWG Stranded Conductors (7x38) • Tinned Copper • Conductors Cabled • Paper Separator • 95% Tinned Copper Braid Shield																		
Polypropylene Insulation • Chrome PVC Jacket																		
200V RMS 105°C	**8643**		3	Black, Red, White	100 250	30.5 76.2	1.1 3.0	.5 1.4	.006	.15	.014	.36	.096	2.44	25	82	43	141
																		
Conductors cabled around textile strength member.																		
22 AWG Stranded Conductors (7x30) • Tinned Copper • Conductors Cabled • 70% Tinned Copper Braid Shield																		
PVC Insulation • Chrome PVC Jacket																		
UL AWM Style 2095 (300V 80°C)	**8735**	NEC: CMG CEC: CMG FT4	3	Black, Red, White	500 U-1000 1000	152.4 U-304.8 304.8	14.5 27.0 27.0	6.6 12.3 12.3	.015	.38	.025	.64	.202	5.13	34	112	60	197
																		
20 AWG Stranded Conductors (7x28) • Tinned Copper • 85% Tinned Copper Braid Shield																		
PVC Insulation • Chrome PVC Jacket																		
UL AWM Style 2464 (300V 80°C)	**9260**	NEC: CMG CEC: CMG FT4	6	See Chart 2 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.3 34.5 69.0	3.3 15.7 31.4	.016	.41	.032	.81	.305	7.75	26	85	50	164
	**9261**	NEC: CMG CEC: CMG FT4	12	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	12.0 60.0 119.0	5.5 27.3 54.1	.016	.41	.040	1.02	.396	10.06	26	85	57	187
Combination Shielded/Unshielded • 22 AWG Stranded (7x30) • Tinned Copper • Conductors Cabled • 80% Tinned Copper Braid Shield†																		
PVC Insulation • Chrome PVC Jacket																		
UL AWM Style 2785 (300V 80°C)	**8734**	NEC: CM	3: 1 Shld 2 Unshld	Black, Red, White	U-1000 1000	U-304.8 304.8	23.0 23.0	10.5 10.5	.015	.38	.025	.64	.194	4.93	—	—	79	259
																		
†Tinned copper braid shield over one conductor (80% coverage).																		
Overall Spiral Shield • 18 AWG Stranded (7x26) • Tinned Copper • Conductors Cabled • Tinned Copper Spiral Wrap (80% Coverage)																		
PVC Insulation • Chrome PVC Jacket																		
450V RMS 80°C VW-1	**8791**		3	Black, Red, White	500 U-1000 1000	152.4 U-304.8 304.8	23.0 45.0 46.0	10.5 20.5 20.9	.022	.56	.028	.71	.260	6.60	47	154	84	276
																		

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to ground.

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Overall Braid Shield

MIL-W-16878 (Type B) Conductors, Shielded and Jacketed†
Communication and Instrumentation Cables

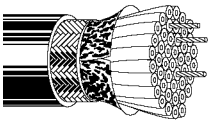
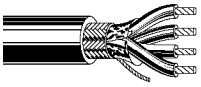
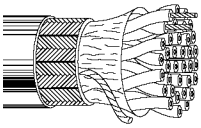
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Stranded Conductors (19x34) • .003″ (.76mm) Clear Nylon Skin over Insulation • 90% Tinned Copper Braid Shield																		
PVC Insulation • White PVC Jacket																		
600V RMS 105°C VW-1	**9965**		1	White	1000	304.8	10.0	4.5	.010	.25	.010	.25	.100	2.54	—	—	100	328
	**9966**		2	White, Black	100 500 1000	30.5 152.4 304.8	2.8 10.5 21.0	1.3 4.8 9.6	.010	.25	.020	.51	.176	4.47	52	171	87	285
	9967		3††	White, Black, Red	100 500 1000	30.5 152.4 304.8	3.5 13.0 26.0	1.6 5.9 11.8	.010	.25	.020	.51	.184	4.67	45	148	88	289
	9968		4††	White, Black, Red, Green	100 500 1000	30.5 152.4 304.8	3.9 16.0 31.0	1.8 7.3 14.1	.010	.25	.020	.51	.200	5.08	42	138	69	226
20 AWG Stranded Conductors (19x32) • Tinned Copper • .004″ (.10mm) Clear Nylon Skin over Insulation • 90% Tinned Copper Braid Shield																		
PVC Insulation • White PVC Jacket																		
600V RMS 105°C VW-1	**9961**		1	White	500 1000	152.4 304.8	5.0 9.0	2.3 4.1	.011	.27	.010	.25	.109	2.77	—	—	103	338
	**9962**		2††	White, Black	100 500 1000	30.5 152.4 304.8	3.3 12.5 24.0	1.5 5.7 10.9	.011	.27	.020	.51	.192	4.88	53	174	91	299
	9963		3††	White, Black, Red	100 500 1000	30.5 152.4 304.8	3.9 16.0 31.0	1.8 7.3 14.1	.011	.27	.025	.64	.210	5.33	49	161	84	276
	9964		4	White, Black, Red, Green	100 500 1000	30.5 152.4 304.8	4.6 19.5 38.0	2.1 8.9 17.3	.011	.27	.025	.64	.226	5.74	45	148	76	249
16 AWG Stranded Conductors (19x29) • Tinned Copper • .004″ (.10mm) Clear Nylon Skin over Insulation • 90% Tinned Copper Braid Shield																		
PVC Insulation • White PVC Jacket																		
600V RMS 105°C VW-1	**9951**		1	White	1000	304.8	22.0	10.0	.012	.30	.016	.41	.143	3.63	—	—	138	453
	**9952**		2††	White, Black	100 500 1000	30.5 152.4 304.8	5.1 20.5 42.0	2.3 9.3 19.1	.012	.30	.025	.64	.250	6.35	57	187	95	312
	9953		3††	White, Black, Red	100 500 1000	30.5 152.4 304.8	6.5 28.0 56.0	3.0 12.7 25.5	.012	.30	.025	.64	.264	6.71	58	190	101	331
	9954		4††	White, Black, Red, Green	100 500 1000	30.5 152.4 304.8	7.9 34.5 68.0	3.6 15.7 30.9	.012	.30	.027	.69	.291	7.39	49	161	94	308

*Capacitance between conductors.
** Capacitance between one conductor and other conductors connected to shield.
† Manufactured to Government specifications: MIL-W-16878 Rev. D.
†† Conductors cabled.

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Overall Foil/Braid Shield

Computer Cables for EIA RS-232 Applications and IEEE 488 Interface, Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-423 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Vel. of Prop.	Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Cond.	Shield		* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
28 AWG Stranded Conductors (7x36) • Tinned Copper • Overall Beldfoil® + 65% Tinned Copper Braid Shield																	
Semi-rigid PVC Insulation • Chrome PVC Jacket																	
UL AWM Style 2464 (300V 80°C) CSA AWM I B FT4 	**9637**	NEC: CL2	25	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.2 29.0 59.0	2.8 13.2 26.8	.305	7.75	64.9Ω/M′ 212.9Ω/km	4.5Ω/M′ 14.8Ω/km	—	30	98	50	164
Low Capacitance • 28 AWG Stranded (7x36) • Tinned Copper • Overall Beldfoil + 65% TC Braid Shield • 28 AWG Stranded TC Drain Wire																	
Datalene® Insulation • Chrome PVC Jacket																	
UL AWM Style 2919 (30V 80°C) 	**9791**	NEC: CL2	6	See Chart 1 (Tech Info Section)	500 1000	152.4 304.8	16.0 27.0	7.3 12.3	.225	5.72	64.9Ω/M′ 212.9Ω/km	6.15Ω/M′ 20.2Ω/km	78%	12	39.4	22	72.2
IEEE 488 • 26 AWG and 24 AWG Stranded Conductors (7x34 and 7x32) • Tinned Copper • Overall Foil + 90% TC Braid Shield • Drain Wire																	
Semi-rigid PVC Insulation • Gray PVC Jacket																	
UL AWM Style 2464 (300V 80°C) CSA AWM I A 	**9641**	NEC: CMG CEC: CMG FT4	23 (6) 26 AWG Pairs (10) 26 AWG Cond. (1) 24 AWG Cond.	See Chart 1 (Tech Info Section)	1000	304.8	82.0	37.4	.350	8.89	26 AWG: 37.3Ω/M′ 122.4Ω/km 24 AWG: 23.3Ω/M′ 76.4Ω/km	2.6Ω/M′ 8.5Ω/km	—	—	—	—	—

TC = Tinned Copper

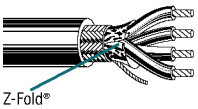
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to ground.

Datalene insulation features include a low dielectric constant and a low dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

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Overall Foil/Braid Shield

Computer Cables for EIA RS-232 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Cond.	Shield	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded Conductors (7x32) • Tinned Copper • Overall 100% Beldfoil® + 65% TC Braid Shield • 24 AWG Stranded TC Drain Wire																
Semi-rigid PVC Insulation • Chrome PVC Jacket																
UL AWM Style 2464 (300V 80°C)  Z-Fold®	**9608**	NEC: CMG CEC: CMG FT4	3	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	3.2 12.0 23.0	1.5 5.5 10.5	.190	4.83	24.0Ω/M′ 78.7Ω/km	8.6Ω/M′ 28.2Ω/km	35	115	65	213
	9609	NEC: CMG CEC: CMG FT4	4	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	3.5 14.0 26.0	1.6 6.4 11.8	.200	5.08	24.0Ω/M′ 78.7Ω/km	9.8Ω/M′ 32.2Ω/km	35	115	65	213
	9610	NEC: CMG CEC: CMG FT4	5	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.0 16.0 32.0	1.8 7.3 14.5	.215	5.46	24.0Ω/M′ 78.7Ω/km	6.5Ω/M′ 21.3Ω/km	35	115	65	213
	9611	NEC: CMG CEC: CMG FT4	6	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.7 17.5 34.0	2.1 8.0 15.5	.225	5.72	24.0Ω/M′ 78.7Ω/km	7.0Ω/M′ 23.0Ω/km	30	98.4	55	180
	9612	NEC: CMG CEC: CMG FT4	7	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.7 19.0 38.0	2.1 8.6 17.3	.225	5.72	24.0Ω/M′ 78.7Ω/km	6.9Ω/M′ 22.6Ω/km	30	98.4	55	180
	9613	NEC: CMG CEC: CMG FT4	8	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.0 21.0 41.0	2.3 9.6 18.6	.240	6.10	24.0Ω/M′ 78.7Ω/km	7.3Ω/M′ 23.9Ω/km	30	98.4	55	180
	9614	NEC: CMG CEC: CMG FT4	9	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.3 22.0 44.0	2.4 10.0 20.0	.253	6.42	24.0Ω/M′ 78.7Ω/km	7.5Ω/M′ 24.6Ω/km	30	98.4	55	180
	9615	NEC: CMG CEC: CMG FT4	10	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.1 25.0 50.0	2.8 11.4 22.7	.270	6.86	24.0Ω/M′ 78.7Ω/km	6.9Ω/M′ 22.6Ω/km	30	98.4	55	180
	9616	NEC: CMG CEC: CMG FT4	15	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.6 31.5 63.0	3.0 14.3 28.6	.300	7.62	24.0Ω/M′ 78.7Ω/km	6.0Ω/M′ 19.7Ω/km	30	98.4	55	180
	9617	NEC: CMG CEC: CMG FT4	25	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	10.1 51.0 100.0	4.6 23.2 45.5	.370	9.40	24.0Ω/M′ 78.7Ω/km	5.1Ω/M′ 16.7Ω/km	30	98.4	55	180
	9618	NEC: CMG CEC: CMG FT4	37	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	13.3 66.5 132.0	6.0 30.2 60.0	.411	10.43	24.0Ω/M′ 78.7Ω/km	4.4Ω/M′ 14.4Ω/km	30	98.4	55	180
	9619	NEC: CMG CEC: CMG FT4	50	See Chart 2R (Tech Info Section	100 500 1000	30.5 152.4 304.8	18.8 93.0 182.0	8.6 42.4 83.0	.485	12.32	24.0Ω/M′ 78.7Ω/km	4.3Ω/M′ 14.1Ω/km	30	98.4	55	180

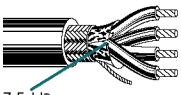
DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to ground.

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Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-423 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Vel. of Prop.	Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Cond.	Shield		* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded Conductors (7x32) • Tinned Copper • Overall 100% Beldfoil® + 65% TC Braid Shield • 24 AWG Stranded TC Drain Wire																	
Datalene® Insulation • Chrome PVC Jacket																	
UL AWM Style 2919 (30V 80°C)  Z-Fold®	**9925**	NEC: CM CEC: CM	3	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	3.5 16.0 26.0	1.6 7.3 11.8	.215	5.46	24.0Ω/M′ 78.7Ω/km	5.2Ω/M′ 17.0Ω/km	78%	12	39.4	22	72.2
	9927	NEC: CM CEC: CM	4	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.1 15.5 31.0	1.9 7.0 14.1	.230	5.84	24.0Ω/M′ 78.7Ω/km	5.3Ω/M′ 17.4Ω/km	78%	12	39.4	22	72.2
	9929	NEC: CM CEC: CM	5	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.5 18.0 36.0	2.0 8.2 16.4	.246	6.25	24.0Ω/M′ 78.7Ω/km′	4.2Ω/M′ 13.9Ω/km	78%	12	39.4	22	72.2
	9931	NEC: CM CEC: CM	6	See Chart 1 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	4.9 19.5 39.0 410.0	2.2 8.9 17.7 186.4	.265	6.73	24.0Ω/M′ 78.7Ω/km	4.4Ω/M′ 14.4Ω/km	78%	12	39.4	22	72.2
	9932	NEC: CM CEC: CM	7	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.2 20.5 41.0	2.4 9.3 18.6	.265	6.73	24.0Ω/M′ 78.7Ω/km	4.4Ω/M′ 14.4Ω/km	78%	12	39.4	22	72.2
	9933	NEC: CM CEC: CM	8	See Chart 1 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	5.6 23.0 46.0 480.0	2.5 10.5 20.9 218.2	.280	7.11	24.0Ω/M′ 78.7Ω/km	4.4Ω/M′ 14.4Ω/km	78%	12	39.4	22	72.2
	9934	NEC: CM CEC: CM	9	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.9 24.0 48.0	2.7 10.9 21.8	.300	7.62	24.0Ω/M′ 78.7Ω/km	3.9Ω/M′ 12.6Ω/km	78%	12	39.4	22	72.2
	9935	NEC: CM CEC: CM	10	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.7 27.0 53.0	2.6 12.3 24.1	.306	7.77	24.0Ω/M′ 78.7Ω/km	3.2Ω/M′ 10.4Ω/km	78%	12	39.4	22	72.2
	9936	NEC: CM CEC: CM	15	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.2 35.0 68.0	3.3 15.9 30.9	.350	8.89	24.0Ω/M′ 78.7Ω/km	3.6Ω/M′ 11.7Ω/km	78%	12	39.4	22	72.2
	9937	NEC: CM CEC: CM	25	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	13.6 54.5 108.0	6.2 24.8 49.1	.445	11.30	24.0Ω/M′ 78.7Ω/km	2.8Ω/M′ 9.1Ω/km	78%	12	39.4	22	72.2
	9938	NEC: CM CEC: CM	37	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	16.8 71.5 139.0	7.6 32.5 63.2	.515	13.08	24.0Ω/M′ 78.7Ω/km	2.4Ω/M′ 7.8Ω/km	78%	12	39.4	22	72.2

DCR = DC Resistance • TC = Tinned Copper

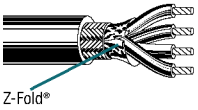
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to ground.

Datalene insulation features include a low dielectric constant and a low dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

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Overall Foil/Braid Shield

Computer Cables for EIA RS-232 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Cond.	Shield	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Stranded Conductors (7x30) • Tinned Copper • Overall 100% Beldfoil® + 65% Tinned Copper Braid Shield																
Semi-rigid PVC Insulation • Chrome PVC Jacket																
UL AWM Style 2464 (300V 80°C)  Z-Fold®	**9939**	NEC: CMG CEC: CMG FT4	3	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	3.6 14.0 27.0	1.6 6.4 12.3	.202	5.13	14.7Ω/M´ 48.2Ω/km	6.2Ω/M´ 20.3Ω/km	37	121	67	220
	9940	NEC: CMG CEC: CMG FT4	4	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.0 16.5 32.0	1.8 7.5 14.5	.215	5.46	14.7Ω/M´ 48.2Ω/km	5.0Ω/M´ 16.4Ω/km	37	121	67	220
	9941	NEC: CMG CEC: CMG FT4	5	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.7 19.0 38.0	2.1 8.6 17.3	.230	5.84	14.7Ω/M´ 48.2Ω/km	7.1Ω/M´ 23.3Ω/km	37	121	67	220
	9942	NEC: CMG CEC: CMG FT4	6	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.2 22.0 43.0	2.4 10.0 19.5	.245	6.22	14.7Ω/M´ 48.2Ω/km	7.9Ω/M´ 25.9Ω/km	35	115	63	207
	9943	NEC: CMG CEC: CMG FT4	7	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.5 23.0 46.0	2.5 10.5 20.9	.245	6.22	14.7Ω/M´ 48.2Ω/km	7.0Ω/M´ 23.0Ω/km	35	115	63	207
	9944	NEC: CMG CEC: CMG FT4	8	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.2 26.0 51.0	2.8 11.8 23.2	.260	6.60	14.7Ω/M´ 48.2Ω/km	6.0Ω/M´ 19.7Ω/km	35	115	63	207
	9945	NEC: CMG CEC: CMG FT4	9	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.8 28.5 57.0	3.1 13.0 25.9	.280	7.11	14.7Ω/M´ 48.2Ω/km	5.1Ω/M´ 16.7Ω/km	35	115	63	207
	9946	NEC: CMG CEC: CMG FT4	10	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.3 31.5 62.0	3.3 14.3 28.2	.300	7.62	14.7Ω/M´ 48.2Ω/km	4.6Ω/M´ 15.1Ω/km	35	115	63	207
	9947	NEC: CMG CEC: CMG FT4	15	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.7 42.5 83.0	4.0 19.3 37.7	.340	8.64	14.7Ω/M´ 48.2Ω/km	4.1Ω/M´ 13.5Ω/km	35	115	63	207
	9948	NEC: CMG CEC: CMG FT4	25	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	13.1 65.5 130.0	6.0 29.8 59.1	.410	10.41	14.7Ω/M´ 48.2Ω/km	3.1Ω/M´ 10.2Ω/km	35	115	63	207
	9949	NEC: CMG CEC: CMG FT4	37	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	17.7 87.5 180.0	8.0 39.8 81.8	.460	11.68	14.7Ω/M´ 48.2Ω/km	2.7Ω/M´ 8.9Ω/km	35	115	63	207
	9950	NEC: CMG CEC: CMG FT4	50	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	23.9 118.0 238.0	10.9 53.6 108.2	.555	14.10	14.7Ω/M´ 48.2Ω/km	2.3Ω/M´ 7.5Ω/km	35	115	63	207

DCR = DC Resistance

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to ground.

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Overall Shield

Special Audio, Communication and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 and 22 AWG Stranded Conductors (7x32 and 7x30) • Tinned Copper • Cabled in Quads† • 24 AWG Stranded Tinned Copper Drain Wire																		
PVC Insulation (22 AWG) / **Polyethylene Insulation** (24 AWG) • **Chrome PVC Jacket**																		
350V RMS 80°C VW-1	**8787**		10: 4 Shld 24 (7x32)	Gray, White, Blue, Green	U-500 500	U-152.4 152.4	24.5 24.5	11.1 11.1	.012	.30	.030	.76	.290	7.37	—	—	—	—
			4 Shld 24 (7x32)	Brown, Red, Yellow, Orange					.012	.30								
			2 Unshld 22 (7x30)	White, Blue					.015	.38								
Z-Fold®																		

†Each quad wrapped in transparent polyester tape. Red Beldfoil® shield over one quad, Green Beldfoil shield over the other. (2) quads and (2) unshielded conductors cabled.

24 and 22 AWG Stranded Conductors (7x32 and 7x30) • Tinned Copper • (4) Conductors Cabled†† • 22 AWG Stranded Tinned Copper Drain Wire																		
PVC Insulation • Chrome PVC Jacket																		
300V 90°C NEC Article 800	**8786**	NEC: CM CEC: CM	6: 4 Shld 24 (7x32)	Black, Green, Red, Yellow	U-500 500	U-152.4 152.4	16.5 17.0	7.5 7.7	.015	.38	.028	.71	.236	5.99	—	—	—	—
			2 Unshld 22 (7x30)	Blue, White														
Z-Fold®																		

††(4) conductors cabled under 100% Beldfoil shield; (2) conductors unshielded.

22 AWG Stranded Conductors (7x30) • Tinned Copper • (3) Conductors Cabled and Separately Beldfoil Shielded (100%) with Drain Wires▲																		
PVC Insulation • Chrome PVC Jacket																		
300V RMS 60°C	**8788**	NEC: CM	5: 3 Shld	Black, Red, Green	500	152.4	17.5	8.0	.015	.38	.028	.71	.236	5.99	34	112	—	—
			2 Unshld•	Yellow, Blue														
Z-Fold®																		

•(2) Unshielded conductors cabled around a non-hygroscopic filler.
▲Drain wire for each conductor is tinned cadmium bronze ribbon under 100% Beldfoil shield coverage.

22 AWG Triads Stranded Conductors (7x30) • Tinned Copper • Cabled in Triads‣ • 22 AWG Stranded Tinned Copper Drain Wire																		
Polypropylene Insulation • Overall Chrome PVC Jacket																		
300V RMS 80°C VW-1	**9772**		36 (12 triads)	Black, Red, Green, Triads w/Color Coded Jackets	500	152.4	139.0	63.2	.008	.20	.060	1.52	.725	18.42	34	112	67	220
Z-Fold®																		

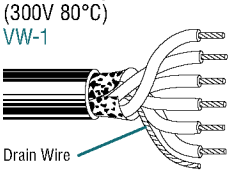
‣Each triad shielded with 100% Beldfoil shield and drain wire, encased in a .020″ white PVC jacket with color coded stripes.

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to ground.

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Overall Shield

Data Cables for Molex SEMMCONN and AMP® SDL Connectors
Computers, Instrumentation and Medical Electronics Interconnect Cables

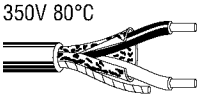
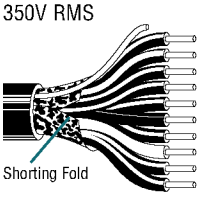
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
26 AWG Stranded Conductors (7x34) • Tinned Copper • 100% Duofoil® Shield • 26 AWG Stranded Tinned Copper Drain Wire														
PVC Insulation • Black PVC Jacket														
UL AWM Style 2464 (300V 80°C) VW-1 	**1211A**	NEC: CL2X	4	White, Yellow, Orange, Green	500 1000	152.4 304.8	12.0 23.0	5.5 10.5	.015	.37	.035	.89	.193	4.90
	1212A	NEC: CL2X	6	Red, Blue, Green, Orange, Yellow, White	500 1000	152.4 304.8	15.0 29.0	6.8 13.2	.015	.37	.035	.89	.217	5.51
	1213A	NEC: CL2X	8	Black, Purple, Red, Blue, Green, Orange, Yellow, White	500 1000	152.4 304.8	12.0 23.0	5.5 10.5	.015	.37	.036	.91	.234	5.94
	1214A	NEC: CL2X	16	White & Red, White & Brown, White & Black, Black, Red, Brown, Purple, Blue, Green, Gray, Aqua, Tan, Pink, Orange, White, Yellow	1000	304.8	57.0	25.9	.015	.37	.035	.89	.301	7.65

AMP is a registered trademark of AMP, Inc.

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Overall Shield

Direct Burial Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
20 AWG Solid Conductors • Tinned Copper • Conductors Cabled • Overall 100% Beldfoil® Shield • 22 AWG Solid TC Drain Wire																		
Polypropylene Insulation • Black HDPE Jacket																		
350V 80°C 	**9802**		2	White, Black	500 1000	152.4 304.8	12.5 20.0	5.7 9.1	.013	.33	.035	.89	.190	4.83	23	75	42	138
Polypropylene Insulation • Black HDPE Jacket																		
350V RMS 	**9803**		3	White, Red, Black	1000	304.8	25.0	11.4	.013	.33	.035	.89	.205	5.21	23	75	42	138
	9890		10	See Chart 1 (Tech Info Section)	500 1000	152.4 304.8	32.0 65.0	14.5 29.5	.013	.33	.040	1.02	.310	7.87	23	75	42	138
	9894		15	See Chart 2 (Tech Info Section)	1000	304.8	96.0	43.6	.013	.33	.045	1.14	.390	9.91	23	75	42	138

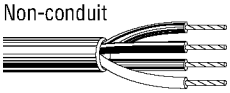
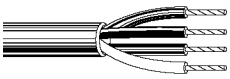
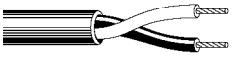
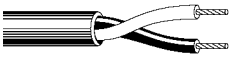
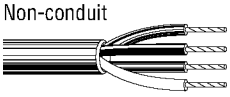
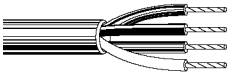
HDPE = High-density Polyethylene • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to ground.

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Plenum-Rated

Unshielded
Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
22 AWG Stranded Conductors (7x30) • Tinned Copper • Conductors Cabled														
Plenum • FEP Insulation • Red FEP Jacket														
Non-conduit 	**88444**	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	100 500† 1000†	30.5 152.4 304.8	3.0 9.0 16.0	1.4 4.1 7.3	.006	.15	.010	.25	.121	3.07
Suitable for Outdoor and Direct Burial applications.														
Plenum • FEP Insulation • Natural Flamarrest® Jacket														
Non-conduit 	**82444**	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	U-500† U-1000† 1000†	U-152.4 U-304.8 304.8	8.5 17.0 17.0	3.9 7.7 7.7	.006	.15	.015	.38	.134	3.40
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs														
Plenum • FEP Insulation • Red FEP Jacket														
300V RMS, Non-conduit 	**88442**	NEC: CMP CEC: CMP FT6	2	Black, Red	100 500† 1000†	30.5 152.4 304.8	2.3 5.5 10.0	1.0 2.5 4.5	.006	.15	.012	.30	.102	2.59
Suitable for Outdoor and Direct Burial applications.														
Plenum • FEP Insulation • Natural Flamarrest Jacket														
300V RMS, Non-conduit 	**82442** new	NEC: CMP CEC: CMP FT6	2	Black, Red	U-1000† 1000†	U-304.8 304.8	83.0 84.0	37.7 38.2	.006	.15	.014	.36	.112	2.84
18 AWG Stranded Conductors (19x30) • Tinned Copper • Conductors Cabled														
Plenum • FEP Insulation • Red FEP Jacket														
Non-conduit 	**88489**	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	500† 1000†	152.4 304.8	16.5 31.0	7.5 14.1	.007	.18	.009	.23	.161	4.09
Suitable for Outdoor and Direct Burial applications.														
Plenum • FEP Insulation • Natural Flamarrest Jacket														
Non-conduit 	**82489**	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	U-1000† 1000†	U-304.8 304.8	31.0 31.0	14.1 14.1	.007	.18	.014	.36	.170	4.32

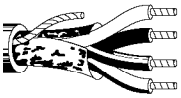
†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

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Plenum-Rated

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
18 AWG Stranded Conductors (19x30) • Tinned Copper • Conductors Cabled • Overall 100% Beldfoil Shield • 20 AWG Stranded TC Drain Wire																		
Plenum • FEP Insulation • Red FEP Jacket																		
Non-conduit 	**88770** new	NEC: CMP CEC: CMP FT6	3	Black, White, Red	500† 1000†	152.4 304.8	18.0 34.0	8.2 15.5	.007	.18	.014	.36	.161	4.09	54	177	96	315
	89418	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	100 500† 1000†	30.5 152.4 304.8	5.5 20.0 41.0	2.5 9.1 18.6	.007	.18	.014	.36	.177	4.50	30	98	57	187
Suitable for Outdoor and Direct Burial applications.																		
Plenum • FEP Insulation • Natural Flamarrest® Jacket																		
Non-conduit 	**82418**	NEC: CMP CEC: CMP FT6	4	Black, White, Red, Green	U-1000† 1000†	U-304.8 304.8	35.0 39.0	15.9 17.7	.007	.18	.014	.36	.176	4.47	35	115	63	207

TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

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Plenum-Rated

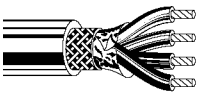
Overall Foil/Braid Shield

Audio, Control and Instrumentation Cables

24 AWG Stranded Conductors (7x32) • Tinned Copper • Conductors Cabled • 100% Beldfoil® + 85% Tinned Copper Braid Shield

Plenum • FEP Insulation • Red FEP Jacket

Non-conduit



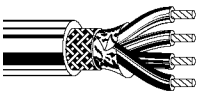
Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm	Nominal Capacitance * pF/ Ft.	Nominal Capacitance * pF/ m	Nominal Capacitance ** pF/ Ft.	Nominal Capacitance ** pF/ m
83503	NEC: CMP CEC: CMP FT6	3	See Chart 2 (Tech Info Section)	500† 1000†	152.4 304.8	9.5 18.0	4.3 8.2	.006	.15	.014	.36	.135	3.43	20	66	36	118
83504	NEC: CMP CEC: CMP FT6	4	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	3.5 11.5 22.0	1.6 5.2 10.0	.006	.15	.014	.36	.144	3.66	20	66	36	118
83506	NEC: CMP CEC: CMP FT6	6	See Chart 2 (Tech Info Section)	500† 1000†	152.4 304.8	15.0 28.0	6.8 12.7	.006	.15	.014	.36	.165	4.19	20	66	36	118
83509	NEC: CMP CEC: CMP FT6	9	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	5.3 19.0 39.0	2.4 8.6 17.7	.006	.15	.014	.36	.188	4.78	20	66	36	118
83512	NEC: CMP CEC: CMP FT6	12	See Chart 2 (Tech Info Section)	500† 1000†	152.4 304.8	23.0 47.0	10.5 21.4	.006	.15	.014	.36	.207	5.26	20	66	36	118
83515	NEC: CMP CEC: CMP FT6	15	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	7.2 27.0 53.0	3.3 12.3 24.1	.006	.15	.014	.36	.227	5.77	20	66	36	118

Suitable for Outdoor and Direct Burial applications.

22 AWG Stranded Conductors (7x30) • Tinned Copper • Conductors Cabled • 100% Beldfoil + 85% Tinned Copper Braid Shield

Plenum • FEP Insulation • Red FEP Jacket

Non-conduit



Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm	Nominal Capacitance * pF/ Ft.	Nominal Capacitance * pF/ m	Nominal Capacitance ** pF/ Ft.	Nominal Capacitance ** pF/ m
83552	NEC: CMP CEC: CMP FT6	2	See Chart 2 (Tech Info Section)	500† 1000†	152.4 304.8	10.0 18.0	4.5 8.2	.006	.15	.014	.36	.141	3.58	23	75	40	131
83553	NEC: CMP CEC: CMP FT6	3	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	3.5 12.0 22.0	1.6 5.5 10.0	.006	.15	.014	.36	.144	3.76	23	75	40	131
83554	NEC: CMP CEC: CMP FT6	4	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	4.0 14.0 27.0	1.8 6.4 12.3	.006	.15	.014	.36	.159	4.04	23	75	40	131
83556	NEC: CMP CEC: CMP FT6	6	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	5.2 18.0 38.0	2.4 8.2 17.3	.006	.15	.014	.36	.183	4.65	23	75	40	131
83559	NEC: CMP CEC: CMP FT6	9	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	6.8 25.0 50.0	3.1 11.4 22.7	.006	.15	.014	.36	.209	5.31	23	75	40	131
83562	NEC: CMP CEC: CMP FT6	12	See Chart 2 (Tech Info Section)	500† 1000†	152.4 304.8	30.5 60.0	13.9 27.3	.006	.15	.015	.38	.234	5.94	23	75	40	131
83569	NEC: CMP CEC: CMP FT6	19	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	9.6 45.5 85.0	4.4 20.7 38.6	.006	.15	.015	.38	.269	6.83	23	75	40	131

Suitable for Outdoor and Direct Burial applications.

*Capacitance between conductors. **Capacitance between one conductor and other conductors connected to shield.
†Spools are one piece, but length may vary ±10% from length shown.

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Plenum-Rated

Overall Foil/Braid Shield

Audio, Control and Instrumentation Cables

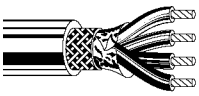
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
20 AWG Stranded Conductors (7x28) • Tinned Copper • Conductors Cabled • 100% Beldfoil® + 85% Tinned Copper Braid Shield																		
Plenum • FEP Insulation • Red FEP Jacket																		
Non-conduit 	**83602**	NEC: CMP CEC: CMP FT6	2	See Chart 2 (Tech Info Section)	500† 1000†	152.4 304.8	13.0 24.0	5.9 10.9	.006	.15	.014	.36	.152	3.86	26	85	51	167
	83604	NEC: CMP CEC: CMP FT6	4	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	5.1 18.0 34.0	2.3 8.2 15.5	.006	.15	.014	.36	.178	4.52	26	85	51	167
	83606	NEC: CMP CEC: CMP FT6	6	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	6.2 23.5 48.0	2.8 10.7 21.8	.006	.15	.014	.36	.207	5.26	26	85	51	167
	83609	NEC: CMP CEC: CMP FT6	9	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	8.2 32.0 63.0	3.7 14.5 28.6	.006	.15	.014	.36	.238	6.05	26	85	51	167
	83612	NEC: CMP CEC: CMP FT6	12	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	7.8 36.5 67.0	3.5 16.6 30.5	.006	.15	.014	.36	.265	6.73	26	85	51	167
18 AWG Stranded Conductors (19x30) • Tinned Copper • Conductors Cabled • 100% Beldfoil + 85% Tinned Copper Braid Shield																		
Plenum • FEP Insulation • Red FEP Jacket																		
Non-conduit 	**83652**	NEC: CMP CEC: CMP FT6	2	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	4.6 15.0 29.0	2.1 6.8 13.2	.007	.18	.014	.36	.175	4.45	33	108	60	197
	83653	NEC: CMP CEC: CMP FT6	3	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	5.4 19.5 40.0	2.5 8.9 18.2	.007	.18	.014	.36	.184	4.67	33	108	60	197
	83654	NEC: CMP CEC: CMP FT6	4	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	6.2 23.5 48.0	2.8 10.7 21.8	.007	.18	.014	.36	.199	5.05	33	108	60	197
	83656	NEC: CMP CEC: CMP FT6	6	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	8.1 31.5 62.0	3.7 14.3 28.2	.007	.18	.014	.36	.234	5.94	33	108	60	197
	83659	NEC: CMP CEC: CMP FT6	9	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	9.8 46.5 88.0	4.5 21.1 40.0	.007	.18	.015	.36	.293	7.44	33	108	60	197
	83662	NEC: CMP CEC: CMP FT6	12	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	11.9 55.5 109.0	5.4 25.2 49.5	.007	.18	.015	.36	.308	7.82	33	108	60	197

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools are one piece, but length may vary ±10% from length shown.

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Plenum-Rated

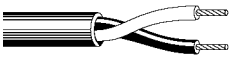
Overall Foil/Braid Shield
Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
16 AWG Stranded Conductors (19x29) • Tinned Copper • Conductors Cabled • 100% Beldfoil® + 85% Tinned Copper Braid Shield																		
Plenum • FEP Insulation • Red FEP Jacket																		
Non-conduit 	**83702**	NEC: CMP CEC: CMP FT6	2	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	5.1 20.0 41.0	2.3 9.1 18.6	.007	.18	.014	.36	.196	4.72	35	115	63	207
	83703	NEC: CMP CEC: CMP FT6	3	See Chart 2 (Tech Info Section)	500† 1000†	152.4 304.8	25.0 51.0	11.4 23.2	.007	.18	.014	.36	.206	5.23	35	115	63	207
	83704	NEC: CMP CEC: CMP FT6	4	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	8.0 31.0 61.0	3.6 14.1 27.7	.007	.18	.014	.36	.223	5.66	35	115	63	207
	83706	NEC: CMP CEC: CMP FT6	6	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	9.6 45.5 86.0	4.4 20.7 39.2	.007	.18	.014	.36	.265	6.73	35	115	63	207
	83709	NEC: CMP CEC: CMP FT6	9	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	13.1 61.5 118.0	6.0 28.0 53.6	.007	.18	.014	.36	.307	7.80	35	115	63	207
	83712	NEC: CMP CEC: CMP FT6	12	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	16.4 77.0 151.0	7.5 35.0 68.6	.007	.18	.014	.36	.344	8.74	35	115	63	207
	83715	NEC: CMP CEC: CMP FT6	15	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	19.6 93.5 187.0	8.9 42.5 85.0	.007	.18	.014	.36	.407	10.34	35	115	63	207
	83719	NEC: CMP CEC: CMP FT6	19	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	23.5 113.0 226.0	10.7 51.4 102.7	.007	.18	.014	.36	.403	10.24	35	115	63	207

* Capacitance between conductors.
** Capacitance between one conductor and other conductors connected to shield.
† Spools are one piece, but length may vary ±10% from length shown.

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High-Temperature
Unshielded
Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
20 AWG Stranded Conductors (7x28) • Tinned Copper • Conductors Cabled														
Tefzel® Insulation • Clear Tefzel Jacket														
300V RMS 150°C VW-1 	**85220**		2	Black, Red	100 1000 †	30.5 304.8	3.8 24.0	1.7 10.9	.015	.38	.020	.51	.185	4.70
16 AWG Stranded Conductors (19x29) • Tinned Copper • Conductors Cabled														
Tefzel Insulation • Clear Tefzel Jacket														
300V RMS 150°C VW-1 	**85221** new		2	Black, Red	500 † 1000 †	152.4 304.8	17.0 35.0	7.7 15.9	.015	.38	.019	.48	.211	5.36
	85102		2	See Chart 2 (Tech Info Section)	500 † 1000 †	152.4 304.8	16.0 33.0	7.3 15.0	.015	.38	.019	.48	.211	5.36
	85103		3	See Chart 2 (Tech Info Section)	500 † 1000 †	152.4 304.8	22.0 43.0	10.0 19.5	.015	.38	.019	.48	.223	5.76
	85105		5	See Chart 2 (Tech Info Section)	500 † 1000 †	152.4 304.8	36.5 68.0	16.6 30.9	.015	.38	.019	.48	.268	6.81
	85107		7	See Chart 2 (Tech Info Section)	100 1000 †	30.5 304.8	11.5 105.0	5.2 47.7	.015	.38	.024	.61	.303	7.70
	85109		9	See Chart 2 (Tech Info Section)	500 † 1000 †	152.4 304.8	59.0 116.0	26.8 52.7	.015	.38	.024	.61	.354	8.99

† Spools are one piece, but length may vary ±10% from length shown.

Tefzel insulated and jacketed cables are particularly well suited for harsh environments due to outstanding mechanical toughness of the material, as well as its high-temperature and radiation resistant characteristics.

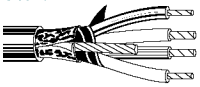
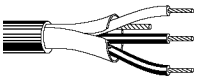
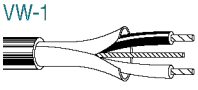
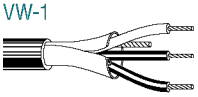
Tefzel cables are used extensively in chemical plants, nuclear plants, and fossil fuel power plants. Typical applications are data recording, communication, telemetering, and monitoring pressure or material flow.

Tefzel is a DuPont trademark.

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High-Temperature

Overall Beldfoil® Shield
Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Stranded (7x30) • Tinned Copper • Conductors Cabled • 22 AWG (7x30) Stranded TC Drain Wire • 100% Special Beldfoil Shield																		
FEP Insulation • Red Silicone Rubber Jacket • Noise Reducing Tape																		
Jacket working voltage 2000V DC, shield to ground VW-1  70°C (min.) to 150°C (max.) operating temperature.	**83394**		2	Black, White	100 U-500† 500†	30.5 U-152.4 152.4	3.6 14.5 16.5	1.6 6.6 7.5	.015	.38	.030	.76	.199	5.05	22	72	40	131
Jacket working voltage 2000V DC, shield to ground VW-1 	**83395**		3	Black, Red, White	100 500†	30.5 152.4	3.9 18.0	1.8 8.2	.015	.38	.031	.79	.208	5.28	22	72	40	131
70°C (min.) to 150°C (max.) operating temperature.	**83396**		4	Black, White, Red, Green	100 500†	30.5 152.4	4.4 19.5	2.0 8.9	.015	.38	.030	.76	.217	5.51	22	72	40	131
20 AWG Stranded (7x28) • Tinned Copper • Twisted Pair • 20 AWG (7x28) Stranded TC Drain Wire • 100% Special Beldfoil Shield																		
FEP Insulation • Yellow Silicone Rubber Jacket • Noise Reducing Tape																		
Jacket working voltage 2000V DC, shield to ground VW-1  70°C (min.) to 150°C (max.) operating temperature.	**83393**		2	Black, Red	100† U-500 500†	30.5 U-152.4 152.4	4.6 18.5 19.0	2.1 8.4 8.6	.020	.51	.030	.76	.242	6.15	22	72	40	131
20 AWG Stranded Conductors (7x28) • Tinned Copper • Conductors Cabled • Drain Wire • Overall 100% Beldfoil Aluminum-Kapton® Shield																		
Tefzel® Insulation • Clear Tefzel Jacket																		
300V RMS 150°C VW-1 	**85230**		2	Black, Red	500† 1000†	152.4 304.8	14.5 30.0	6.6 13.6	.015	.38	.020	.51	.182	4.62	—	—	—	—
300V RMS 150°C VW-1 	**85240**		3	Black, Red, Green	100 1000†	30.5 304.8	4.6 32.0	2.1 14.5	.015	.38	.020	.51	.193	4.90	—	—	—	—
16 AWG Stranded Conductors (19x29) • Tinned Copper • Conductors Cabled • Drain Wire • Overall 100% Beldfoil Aluminum-Kapton Shield																		
Tefzel Insulation • Clear Tefzel Jacket																		
300V RMS 150°C VW-1 	**85231**		2	Black, Red	100 500† 1000†	30.5 152.4 304.8	5.6 19.0 39.0	2.5 8.6 17.7	.020	.51	.020	.51	.210	5.33	—	—	—	—
300V RMS 150°C VW-1 	**85241**		3	Black, Red, Green	500† 1000†	152.4 304.8	24.5 49.0	11.1 22.3	.020	.51	.020	.51	.223	5.66	—	—	—	—

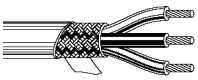
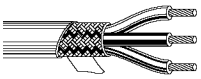
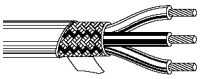
*Capacitance between conductors. **Capacitance between one conductor and other conductors connected to shield.
†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

Tefzel and Kapton are DuPont trademarks.

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High-Temperature

Overall Braid Shield — Control and Instrumentation Cables
MIL-W-16878/4 (Type E) — Individual Conductors

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
26 AWG Stranded Conductors (7x34) • Silver-plated Copper • Cabled and Color-coded • 90% Silver-plated Copper Braid Shield																		
Extruded TFE Teflon® Insulation • White TFE Teflon Tape-wrapped Jacket																		
600V RMS -65°C to 200°C VW-1	**83303**		1	White	500† 1000†	152.4 304.8	4.0 8.0	1.8 3.6	.009	.23	.010	.25	.075	1.91	—	—	44.6	146
	**83317**		2	White, Black	100† 500† 1000†	30.5 152.4 304.8	2.0 7.5 13.0	0.9 3.4 5.9	.009	.23	.010	.25	.108	2.74	20.8	68	35.5	116
	83332		3	White, Black, Red	100† 1000†	30.5 304.8	2.4 17.0	1.1 7.7	.009	.23	.010	.25	.122	3.10	18.8	62	31.4	103
	83347		4	White, Black, Red, Green	100† 500† 1000†	30.5 152.4 304.8	2.6 9.5 19.0	1.2 4.3 8.6	.009	.23	.010	.25	.131	3.33	18.5	61	30.5	100
MIL-Spec MIL-W-16878/4 (Type E).																		
24 AWG Stranded Conductors (19x36) • Silver-plated Copper • Cabled and Color-coded • 90% Silver-plated Copper Braid Shield																		
Extruded TFE Teflon Insulation • White TFE Teflon Tape-wrapped Jacket																		
600V RMS -65°C to 200°C VW-1	**83304**		1	White	500† 1000†	152.4 304.8	4.5 8.0	2.0 3.6	.010	.25	.010	.25	.082	2.08	—	—	46	151
	**83318**		2	White, Black	100† 500† 1000†	30.5 152.4 304.8	2.3 7.5 16.0	1.0 3.4 7.3	.010	.25	.010	.25	.128	3.25	26.5	87	42.4	139
	83333		3	White, Black, Red	100† 500† 1000†	30.5 304.8 304.8	2.7 152.4 20.0	1.2 4.5 9.1	.010	.25	.010	.25	.134	3.40	21.9	72	36.8	121
	83348		4	White, Black, Red, Green	100† 500† 1000†	30.5 152.4 304.8	3.1 12.0 24.0	1.4 5.5 10.9	.010	.25	.010	.25	.146	3.70	21.9	72	36.8	121
Complies with MIL-W-16878/4 (Type E) except stranding.																		
22 AWG Stranded Conductors (19x34) • Silver-plated Copper • Cabled and Color-coded • 90% Silver-plated Copper Braid Shield																		
Extruded TFE Teflon Insulation • White TFE Teflon Tape-wrapped Jacket																		
600V RMS -65°C to 200°C VW-1	**83305**		1	White	100† 500† 1000†	30.5 152.4 304.8	1.1 5.5 10.0	0.5 2.5 4.5	.010	.25	.010	.25	.087	2.21	—	—	57.9	190
	**83319**		2	White, Black	100† 500† 1000†	30.5 152.4 304.8	2.6 9.5 19.0	1.2 4.3 8.6	.010	.25	.010	.25	.140	3.56	29.9	98	49.2	161
	83334		3	White, Black, Red	100† 500† 1000†	30.5 152.4 304.8	2.5 12.0 25.0	1.1 5.5 11.4	.010	.25	.010	.25	.147	3.73	27.4	90	45.7	150
	83349		4	White, Black, Red, Green	100† 500† 1000†	30.5 152.4 304.8	3.6 14.5 29.0	1.6 6.6 13.2	.010	.25	.010	.25	.160	4.06	27.4	90	45.7	150
Complies with MIL-W-16878/4 (Type E) except stranding.																		

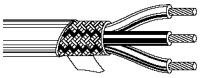
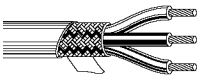
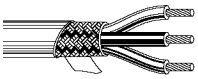
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools may contain more than one piece. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.

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High-Temperature

Overall Braid Shield — Control and Instrumentation Cables
MIL-W-16878/4 (Type E) — Individual Conductors

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
20 AWG Stranded Conductors (19x32) • Silver-plated Copper • Cabled and Color-coded • 90% Silver-plated Copper Braid Shield																		
Extruded TFE Teflon® Insulation • White TFE Teflon Tape-wrapped Jacket																		
600V RMS -65°C to 200°C VW-1 	**83306**	1	White	100†	30.5	1.3	0.6	.010	.25	.010	.25	.096	2.44	—	—	69	226
				1000†	304.8	10.0	4.5										
	83320	2	White, Black	100†	30.5	3.1	1.4	.010	.25	.010	.25	.158	4.01	31.7	104	51	167
				500†	152.4	12.0	5.5										
				1000†	304.8	24.0	10.9										
	83335	3	White, Black, Red	100†	30.5	3.0	1.4	.010	.25	.010	.25	.167	4.24	31.7	104	51	167
				500†	152.4	16.5	7.5										
				1000†	304.8	31.0	14.1										
	83350	4	White, Black, Red, Green	100†	30.5	4.7	2.1	.010	.25	.010	.25	.182	4.62	31.7	104	51	167
				500†	152.4	20.0	9.1										
				1000†	304.8	38.0	17.3										
MIL-Spec MIL-W-16878/4 (Type E) except stranding.																		
18 AWG Stranded Conductors (19x30) • Silver-plated Copper • Cabled and Color-coded • 90% Silver-plated Copper Braid Shield																		
Extruded TFE Teflon Insulation • White TFE Teflon Tape-wrapped Jacket																		
600V RMS -65°C to 200°C VW-1 	**83307**	1	White	1000†	304.8	17.0	7.7	.011	.28	.010	.25	.110	2.79	—	—	71.5	235
	83321	2	White, Black	100†	30.5	3.9	1.8	.011	.28	.010	.25	.183	4.65	31	102	52.8	174
				500†	152.4	16.0	7.3										
				1000†	304.8	31.0	14.1										
	83336	3	White, Black, Red	100†	30.5	4.9	2.2	.011	.28	.010	.25	.188	4.78	31	102	52.8	174
				500†	152.4	21.0	9.5										
				1000†	304.8	44.0	20.0										
	83351	4	White, Black, Red, Green	100†	30.5	5.9	2.7	.011	.28	.010	.25	.206	5.23	31	102	52.8	174
				500†	152.4	26.5	12.0										
				1000†	304.8	54.0	24.5										
Complies with MIL-W-16878/4 (Type E) except stranding.																		
16 AWG Stranded Conductors (19x29) • Silver-plated Copper • Cabled and Color-coded • 90% Silver-plated Copper Braid Shield																		
Extruded TFE Teflon Insulation • White TFE Teflon Tape-wrapped Jacket																		
600V RMS -65°C to 200°C VW-1 	**83308**	1	White	500†	152.4	11.0	5.0	.012	.30	.010	.25	.117	2.97	—	—	72.5	238
				1000†	304.8	21.0	9.5										
	83322	2	White, Black	100†	30.5	4.3	2.0	.012	.30	.010	.25	.192	4.62	36	118	60	197
				500†	152.4	18.0	8.2										
				1000†	304.8	35.0	15.9										
	83337	3	White, Black, Red	100†	30.5	6.8	3.1	.012	.30	.010	.25	.203	5.16	30.7	101	53	174
				500†	152.4	25.0	11.4										
				1000†	304.8	51.0	23.2										
	83352	4	White, Black, Red, Green	100†	30.5	7.3	3.3	.012	.30	.010	.25	.223	5.66	30.2	99	50.8	167
				500†	152.4	31.0	14.1										
				1000†	304.8	61.0	27.7										
Complies with MIL-W-16878/4 (Type E) except stranding.																		

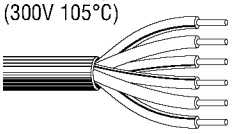
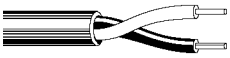
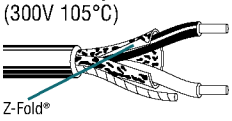
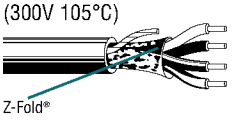
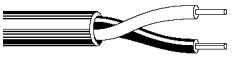
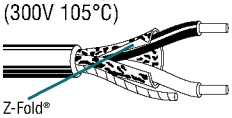
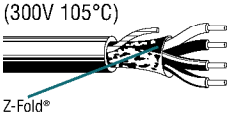
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools may contain more than one piece. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.

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Fire Alarm

Power-Limited Fire Protective Signaling Circuit Cables
Subject 1424 (NEC Article 760, Type FPLR)

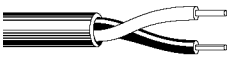
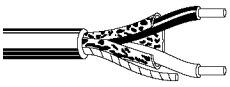
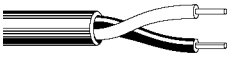
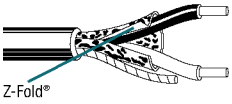
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
22 AWG Solid Conductors • Tinned Copper • Conductors Cabled														
PVC Insulation • Black PVC Jacket														
UL AWM Style 2464 (300V 105°C) 	**9576**	NEC: MPR, FPLR CEC: FAS 105 FT4	6	See Chart 1 (Tech Info Section)	U-500 U-1000	U-152.4 U-304.8	18.0 36.0	8.2 16.4	.013	.33	.039	.99	.234	5.94
18 AWG Solid Conductors • Bare Copper														
PVC Insulation • Red PVC Jacket														
UL AWM Style 2464 (300V 105°C) 	**9571**	NEC: MPR, FPLR CEC: FAS 105 FT4	2	Black, Red	U-500 U-1000	U-152.4 U-304.8	14.5 28.0	6.6 12.8	.017	.43	.037	.94	.228	5.79
18 AWG Solid Conductors • Bare Copper • Conductors Cabled • Overall 100% Beldfoil® Shield • 22 AWG Stranded Tinned Copper Drain Wire														
PVC Insulation • Red PVC Jacket														
UL AWM Style 2464 (300V 105°C)  Z-Fold®	**9574**	NEC: MPR, FPLR CEC: FAS 105 FT4	2	Black, Red	U-500 U-1000	U-152.4 U-304.8	16.5 32.0	7.5 14.6	.017	.43	.037	.94	.231	5.87
UL AWM Style 2464 (300V 105°C)  Z-Fold®	**9578**	NEC: MPR, FPLR CEC: FAS 105 FT4	4	Black, Red, Yellow, Light Blue	U-500 1000	U-152.4 304.8	25.5 51.0	11.6 23.2	.017	.43	.037	.94	.263	6.68
16 AWG Solid Conductors • Bare Copper • Conductors Cabled														
PVC Insulation • Red PVC Jacket														
UL AWM Style 2464 (300V 105°C) 	**9572**	NEC: MPR, FPLR CEC: FAS 105 FT4	2	Black, Red	U-500 U-1000	U-152.4 U-304.8	18.5 36.0	8.4 16.4	.018	.46	.037	.94	.250	6.35
16 AWG Solid Conductors • Bare Copper • Conductors Cabled • Overall 100% Beldfoil Shield • 22 AWG Stranded Tinned Copper Drain Wire														
PVC Insulation • Red PVC Jacket														
UL AWM Style 2464 (300V 105°C)  Z-Fold®	**9575**	NEC: MPR, FPLR CEC: FAS 105 FT4	2	Black, Red	U-500 U-1000	U-152.4 U-304.8	20.5 41.0	9.3 18.7	.018	.46	.037	.94	.253	6.43
UL AWM Style 2464 (300V 105°C)  Z-Fold®	**9579**	NEC: MPR, FPLR CEC: FAS 105 FT4	4	Black, Red, Yellow, Light Blue	U-500 1000	U-152.4 304.8	36.0 72.0	16.4 32.8	.018	.46	.042	1.07	.301	7.65

All cables on this page pass the UL 70,000 BTU Flame Test (comparable to IEEE 383 Flame Test) and are listed by the California State Fire Marshall. Component Recognized UL2464, 300V 80°C.

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Fire Alarm

Power-Limited Fire Protective Signaling Circuit Cables
Subject 1424 (NEC Article 760, Type FPLR)

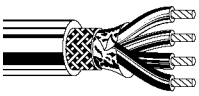
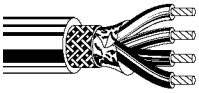
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
14 AWG Solid Conductors • Bare Copper														
PVC Insulation • Red PVC Jacket														
300V 105°C 	**9580**	NEC: FPLR CEC: FAS 105 FT4	2	Black, Red	U-500 1000	U-152.4 304.8	28.0 56.0	12.7 25.5	.022	.56	.042	1.07	.306	7.77
14 AWG Solid Conductors • Bare Copper • Conductors Cabled • 100% Beldfoil® Shield • 16 AWG Stranded Tinned Copper Drain Wire														
PVC Insulation • Red PVC Jacket														
300V 105°C 	**9581**	NEC: FPLR CEC: FAS 105 FT4	2	Black, Red	U-500 1000	U-152.4 304.8	33.0 65.0	15.0 29.6	.022	.56	.042	1.07	.309	7.85
12 AWG Solid Conductors • Bare Copper														
PVC Insulation • Red PVC Jacket														
300V 105°C 	**9582**	NEC: FPLR CEC: FAS 105 FT4	2	Black, Red	1000	304.8	75.0	34.2	.022	.56	.042	1.07	.340	8.64
12 AWG Solid Conductors • Bare Copper • Conductors Cabled • 100% Beldfoil Shield • 16 AWG Stranded Tinned Copper Drain Wire														
PVC Insulation • Red PVC Jacket														
300V 105°C 	**9583**	NEC: FPLR CEC: FAS 105 FT4	2	Black, Red	1000	304.8	85.0	38.7	.022	.56	.042	1.07	.343	8.71

All cables on this page pass the UL 70,000 BTU Flame Test (comparable to IEEE 383 Flame Test) and are listed by the California State Fire Marshall. Component Recognized UL2464, 300V 80°C.

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Plenum-Rated Fire Alarm

Power-Limited Fire Protective, Control and Instrumentation Cables
Subject 1424 (NEC Article 760, Type FPLP)

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
14 AWG Stranded Conductors (7x22) • Tinned Copper • Conductors Cabled • 100% Beldfoil® + 85% Tinned Copper Braid Shield																		
Plenum • FEP Insulation • Red FEP Jacket																		
200°C, Non-conduit 	**83752**	NEC: FPLP, CMP CEC: CMP FT6	2	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	7.1 33.0 60.0	3.2 15.0 27.4	.016	.41	.015	.38	.267	6.78	30	98	52	171
	83753	NEC: FPLP, CMP CEC: CMP FT6	3	See Chart 2 (Tech Info Section)	500† 1000†	152.4 304.8	44.0 82.0	20.1 37.4	.016	.41	.015	.38	.284	7.21	30	98	52	171
	83754	NEC: FPLP, CMP CEC: CMP FT6	4	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	11.6 54.0 102.0	5.3 24.6 46.5	.016	.41	.015	.38	.311	7.90	30	98	52	171
	83756	NEC: FPLP, CMP CEC: CMP FT6	6	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	15.9 74.5 150.0	7.2 34.0 68.4	.016	.41	.017	.43	.376	9.55	30	98	52	171
12 AWG Stranded Conductors (7x20) • Tinned Copper • Conductors Cabled • 100% Beldfoil + 85% Tinned Copper Braid Shield																		
Plenum • FEP Insulation • Red FEP Jacket																		
200°C, Non-conduit 	**83802**	NEC: FPLP, CMP CEC: CMP FT6	2	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	9.3 42.5 80.0	4.3 19.4 36.5	.016	.41	.015	.38	.303	7.70	32	105	55	180
	83803	NEC: FPLP, CMP CEC: CMP FT6	3	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	12.4 56.5 111.0	5.7 25.8 50.6	.016	.41	.015	.38	.323	8.20	32	105	55	180
	83804	NEC: FPLP, CMP CEC: CMP FT6	4	See Chart 2 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	15.6 73.0 147.0	7.1 33.3 66.8	.016	.41	.017	.43	.359	9.12	32	105	55	180
	83806	NEC: FPLP, CMP CEC: CMP FT6	6	See Chart 2 (Tech Info Section)	100 1000†	30.5 304.8	21.7 213.0	9.9 96.8	.016	.41	.017	.43	.430	10.92	32	105	55	180

All cables on this page pass the UL 70,000 BTU Flame Test (comparable to IEEE 383 Flame Test) and are listed by the California State Fire Marshall. Component Recognized UL2464, 300V 80°C.

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools are one piece, but length may vary ±10% from length shown.

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Belden



5 Paired Cables

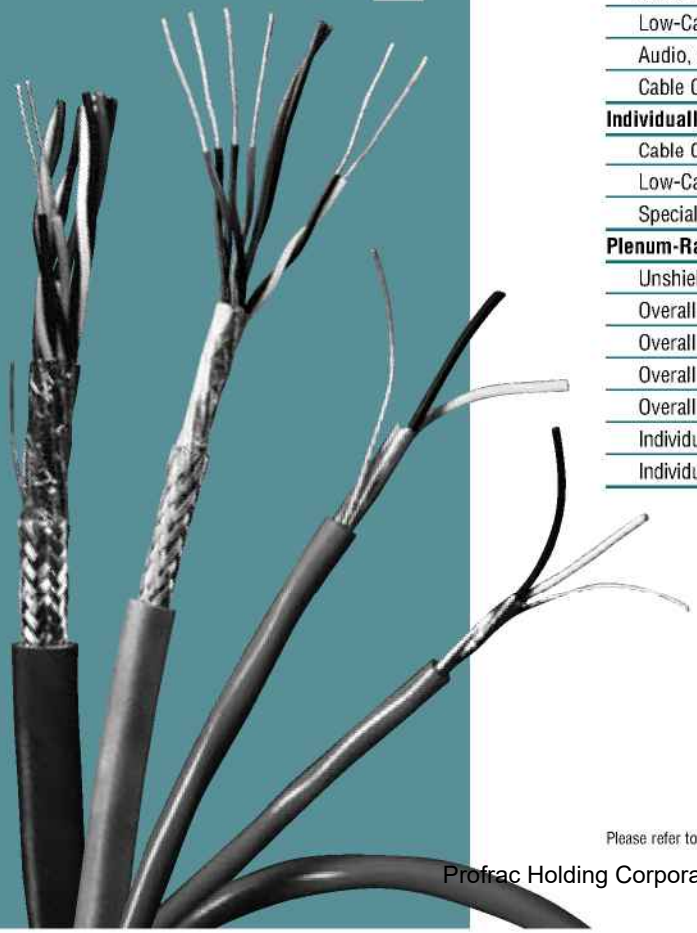


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Please refer to "Terms of Use of Master Catalog" on page 16.30.

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Introduction

Belden® paired cable products are manufactured in a variety of gage sizes, dimensions, insulation materials, shielding configurations, and jacketing materials including Plenum and High-Temperature versions to meet the technical requirements of many different types of systems.

Paired cables allow balanced signal transmission, which results in lower crosstalk through common mode rejection. Due to the improved noise immunity of twisted pairs, they generally permit higher data speeds than multi-conductor cables.

As an aid to proper cable selection, both the suggested working voltages and the maximum temperature ratings are indicated for each applicable paired cable selection.

Most of our paired cables are available from stock. Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find a paired cable in this catalog section that meets your technical requirements, contact Technical Support at 1-800-BELDEN-1.

Paired Cables Packaging

Belden's unique UnReel® cable dispenser is available for many of the paired cable products listed in this section. The letter "U" before the specified put-up length denotes UnReel packaging.

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Selection Guide

Shielded Multi-Pair Computer Cables
RS-232, RS-422, and RS-485 Applications*

Specifications		Cable Series** 9804	8132	9829	8332	9501	8102	9729	8162	9990	9841	9680	9302◆	8302	8777	9873	9773
Conductor Size: (AWG)	28	✓	✓														
	24			✓	✓	✓	✓	✓	✓	✓	✓	✓					
	22												✓	✓	✓		
	20															✓	
	18																✓
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Insulation:	**S-R PVC**				✓	✓								✓			
	Polyethylene			✓						✓	✓	✓				✓	✓
	Polypropylene	✓													✓		
	Datalene®†		✓				✓	✓	✓								
Shield:	**Overall Foil**					✓						✓	✓				
	Individual Foil							✓	✓	✓					✓	✓	✓
	Overall Foil/Braid	✓	✓	✓	✓		✓		✓		✓			✓			
	Braid Coverage	90%	65%	65%	65%		65%		65%		90%			65%			
Drain Wire: (see key below)		●	●	●	×	●	●	▲	▲	▲	●	●	●	×	▲	▲	▲
No. of Pairs Available:	**1**					✓					✓						
	2	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓			
	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
	4	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓			
	5	✓	✓	✓	✓	✓	✓		✓					✓			
	6			✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	7	✓		✓	✓	✓	✓		✓					✓			
	8		✓			✓	✓		✓					✓			
	9	✓		✓		✓		✓		✓		✓	✓		✓	✓	✓
	10			✓	✓	✓	✓		✓					✓			
	11							✓							✓	✓	
	12	✓		✓				✓		✓					✓	✓	✓
	12.5		✓		✓		✓					✓		✓			
	13	✓															
	15				✓	✓	✓	✓	✓				✓	✓	✓	✓	✓
	17							✓							✓		
	18	✓	✓	✓	✓		✓		✓					✓			
	19					✓		✓					✓		✓		
	25	✓	✓	✓	✓	✓	✓		✓	✓				✓			
	27							✓					✓		✓		
	31	✓															
	37														✓		
	50					✓											
Capacitance†† (pF/ft.)		15.5	11.0	15.5	30.0	30.0	12.5	12.5	12.5	25.0	12.8	15.5	35.0	35.0	30.0	30.0	30.0

S-R = Semi-rigid

*Refer to specifications for recommendations.
**All cables are UL-listed.

† Foam high density polyethylene.
†† Capacitance may vary on some cables.

◆ Standard PVC Insulation, solid conductors.

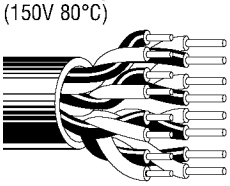
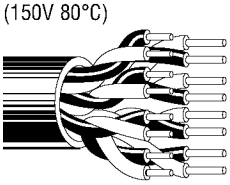
Drain Wire Key:

● = Drain wire overall.
▲ = Drain wire each pair.
× = No drain wire.

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Unshielded

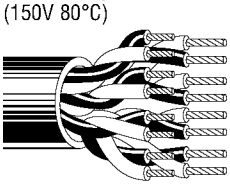
Telephone Cables
Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
24 AWG Solid Conductors • Tinned Copper • Twisted Pairs														
PVC Insulation • Chrome PVC Jacket														
UL AWM Style 2576 (150V 80°C) 	**9562**	NEC: CMG CEC: CMG FT4	2	See Chart 4 (Tech Info Section)	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	10.0 11.0 20.0 21.0	4.5 5.0 9.1 9.5	.010	.25	.032	.81	.199	5.05
	9566	NEC: CMG CEC: CMG FT4	6	See Chart 4 (Tech Info Section)	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	22.0 22.5 43.0 45.0	10.0 10.2 19.5 20.5	.010	.25	.032	.81	.289	7.34
	9570	NEC: CMG CEC: CMG FT4	10	See Chart 4 (Tech Info Section)	500 1000	152.4 304.8	30.5 63.0	13.9 28.6	.010	.25	.035	.89	.310	7.87
	9585	NEC: CMG CEC: CMG FT4	25	See Chart 4 (Tech Info Section)	500 1000	152.4 304.8	74.0 144.0	33.6 65.5	.010	.25	.040	1.02	.480	12.19
22 AWG Solid Conductors • Tinned Copper • Twisted Pairs														
PVC Insulation • Chrome PVC Jacket														
UL AWM Style 2576 (150V 80°C) 	**8740**	NEC: CMG CEC: CMG FT4	1	See Chart 3 (Tech Info Section)	U-500 U-1000	U-152.4 U-304.8	7.0 13.0	3.2 5.9	.010	.25	.032	.81	.156	3.96
	8741	NEC: MPG, CMG CEC: CMG FT4	2	See Chart 3 (Tech Info Section)	U-500 U-1000 1000	U-152.4 U-304.8 304.8	13.0 26.0 25.0	5.9 11.8 11.4	.010	.25	.032	.81	.230	5.84
													For stranded conductor Plenum versions of 8741, see 88741 or 82741.	
	8742	NEC: MPG, CMG CEC: CMG FT4	3	See Chart 3 (Tech Info Section)	500 U-1000 1000	152.4 U-304.8 304.8	17.0 32.0 32.0	7.7 14.5 14.5	.010	.25	.032	.81	.242	6.15
													For stranded conductor Plenum version of 8742, see 82742.	
	8757	NEC: MPG, CMG CEC: CMG FT4	4	See Chart 3 (Tech Info Section)	500 U-1000 1000	152.4 U-304.8 304.8	20.0 39.0 40.0	9.1 17.7 18.2	.010	.25	.032	.81	.264	6.71
													For stranded conductor Plenum versions of 8757, see 88757 or 82757.	
	8743	NEC: MPG, CMG CEC: CMG FT4	6	See Chart 3 (Tech Info Section)	U-500 U-1000 1000	U-152.4 U-304.8 304.8	27.0 52.0 53.0	12.3 23.6 24.1	.010	.25	.032	.81	.293	7.44
													For stranded conductor Plenum version of 8743, see 82743.	
	9160	NEC: MPG, CMG CEC: CMG FT4	8	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	34.5 71.0	15.7 32.3	.010	.25	.035	.89	.323	8.20
	8744	NEC: MPG, CMG CEC: CMG FT4	9	See Chart 3 (Tech Info Section)	1000	304.8	79.0	35.9	.010	.25	.035	.89	.350	8.89

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Unshielded

Audio, Control and Instrumentation Cables

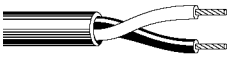
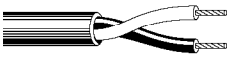
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs														
PVC Insulation • Chrome PVC Jacket														
UL AWM Style 2576 (150V 80°C) 	**9744**	NEC: CMG CEC: CMG FT4	2	See Chart 3 (Tech Info Section)	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	13.5 14.0 26.0 27.0	6.1 6.4 11.8 12.3	.010	.25	.032	.81	.244	6.20
	9745	NEC: CMG CEC: CMG FT4	3	See Chart 3 (Tech Info Section)	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	17.5 18.0 35.0 36.0	8.0 8.2 15.9 16.4	.010	.25	.032	.81	.257	6.53
	9746	NEC: CMG CEC: CMG FT4	4	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	21.5 42.0	9.8 19.1	.010	.25	.032	.81	.281	7.14
	8747	NEC: CMG CEC: CMG FT4	6	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.2 29.0 59.0	2.8 13.2 26.8	.010	.25	.035	.89	.320	8.13
	8748	NEC: CMG CEC: CMG FT4	9	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.6 43.5 84.0	3.9 19.8 38.2	.010	.25	.037	.94	.389	9.88
	9747	NEC: CMG CEC: CMG FT4	12	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	11.7 55.0 109.0	5.3 25.0 49.5	.010	.25	.040	1.02	.425	10.80
	8749	NEC: CMG CEC: CMG FT4	15	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	64.0 124.0	29.1 56.4	.010	.25	.040	1.02	.440	11.18
	9748	NEC: CMG CEC: CMG FT4	19	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	81.5 159.0	37.0 72.3	.010	.25	.040	1.02	.505	12.83
	8750	NEC: CMG CEC: CMG FT4	27	See Chart 3 (Tech Info Section)	500† 1000†	152.4 304.8	112.0 221.0	50.9 100.5	.010	.25	.045	1.14	.575	14.61

†Spools are one piece, but length may vary -0% to +20% from length shown.

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Audio, Control and Instrumentation Cables
Plenum-Rated

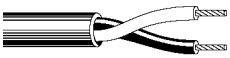
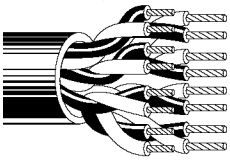
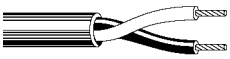
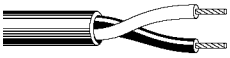
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs														
Plenum • FEP Insulation • Red FEP Jacket														
300V RMS, Non-conduit 	**88442**	NEC: CMP CEC: CMP FT6	1	Black & Red	100 500† 1000†	30.5 152.4 304.8	2.3 5.5 10.0	1.0 2.5 4.5	.006	.15	.012	.30	.102	2.59
	88741	NEC: CMP CEC: CMP FT6	2	Black & Red, Black & White	500† 1000†	152.4 304.8	9.5 21.0	4.3 9.5	.006	.15	.012	.30	.169	4.29
	88757	NEC: CMP CEC: CMP FT6	4	Black & Red, Black & White, Black & Green, Black & Blue	500† 1000†	152.4 304.8	16.0 33.0	7.3 15.0	.006	.15	.019	.23	.200	5.08
Plenum • FEP Insulation • Natural Flamarrest® Jacket														
300V RMS, Non-conduit 	**82442** new	NEC: CMP CEC: CMP FT6	1	Black & Red	U-1000† 1000†	U-304.8 304.8	83.0 84.0	37.7 38.2	.006	.15	.014	.36	.112	2.84
	82741	NEC: CMP CEC: CMP FT6	2	Black & Red, Black & White	U-1000† 1000†	U-304.8 304.8	18.0 21.0	8.2 9.5	.006	.15	.014	.36	.179	4.55
	82742	NEC: CMP CEC: CMP FT6	3	Black & Red, Black & White, Black & Green	U-1000† 1000†	U-304.8 304.8	24.0 28.0	10.9 12.7	.006	.15	.014	.36	.191	4.85
	82757	NEC: CMP CEC: CMP FT6	4	Black & Red, Black & White, Black & Green, Black & Blue	U-1000 1000†	U-304.8 304.8	31.0 34.0	14.1 15.5	.006	.15	.014	.36	.210	5.33
	82743	NEC: CMP CEC: CMP FT6	6	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown	U-1000† 1000†	U-304.8 304.8	44.0 45.0	20.0 20.5	.006	.15	.014	.36	.237	6.02

†Spools and/or UnReel®cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

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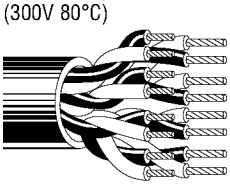
Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
20 AWG Stranded Conductors (7x28) • Tinned Copper • Twisted Pairs														
PVC Insulation • Chrome PVC Jacket														
300V RMS 	**8205**	NEC: CMG CEC: CMG FT4	1	See Chart 3 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	2.5 9.0 9.0 17.0 18.0	1.1 4.1 4.1 7.7 8.2	.013	.33	.025	.64	.180	4.57
UL AWM Style 2464 (300V 80°C) 	**9750**	NEC: CMG CEC: CMG FT4	3	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	25.5 50.0	11.6 22.7	.013	.33	.035	.89	.299	7.59
	9751	NEC: CMG CEC: CMG FT4	6	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.1 45.0 89.0	4.1 20.5 40.5	.013	.33	.035	.89	.366	9.30
	9752	NEC: CMG CEC: CMG FT4	9	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	13.2 65.5 125.0	6.0 29.8 56.8	.013	.33	.035	.89	.429	10.90
	9755	NEC: CMG CEC: CMG FT4	15	See Chart 3 (Tech Info Section)	100 1000	30.5 304.8	19.9 194.0	9.1 88.2	.013	.33	.040	1.02	.545	13.84
19 AWG Solid Conductors • Bare Copper • Twisted Pair														
PVC Insulation • Chrome PVC Jacket														
300V RMS 	**8486**	NEC: CM CEC: CM	1	Brown, Tan	U-500 U-1000 1000	U-152.4 U-304.8 304.8	9.5 18.0 19.0	4.3 8.2 8.6	.015	.38	.025	.64	.182	4.62
18 AWG Stranded Conductors (7x26) • Tinned Copper • Twisted Pair														
PVC Insulation • Chrome PVC Jacket														
300V RMS 	**8461**	NEC: CMG CEC: CMG FT4	1	Black, White	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.8 14.0 14.0 28.0 28.0	1.7 6.4 6.4 12.7 12.7	.022	.56	.028	.71	.234	5.94

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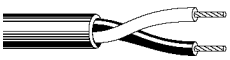
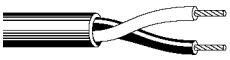
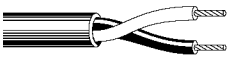
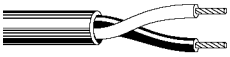
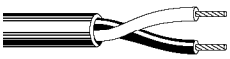
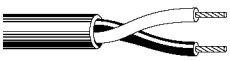
Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
18 AWG Stranded Conductors (16x30) • Tinned Copper • Twisted Pairs														
PVC Insulation • Chrome PVC Jacket														
UL AWM Style 2464 (300V 80°C) 	**9740**	NEC: CMG CEC: CMG FT4	1	See Chart 3 (Tech Info Section)	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	12.5 13.0 25.0 24.0	5.7 5.9 11.4 10.9	.014	.36	.032	.81	.210	5.33
											For Plenum versions of 9740, see 89740, 87740 or 82740.			
	9156	NEC: CMG CEC: CMG FT4	2	See Chart 3 (Tech Info Section)	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	26.0 26.0 51.0 51.0	11.8 11.8 23.2 23.2	.014	.36	.035	.89	.333	8.46
	8690	NEC: CMG CEC: CMG FT4	3	See Chart 3 (Tech Info Section)	100 U-500 500 1000	30.5 U-152.4 152.4 304.8	6.9 32.5 33.5 64.0	3.1 14.8 15.2 29.1	.014	.36	.032	.81	.347	8.81
	9157	NEC: CMG CEC: CMG FT4	4	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.4 43.0 83.0	3.8 19.5 37.7	.014	.36	.032	.81	.381	9.68
	9159	NEC: CMG CEC: CMG FT4	5	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	50.0 99.0	22.7 45.0	.014	.36	.032	.81	.391	9.93
	8691	NEC: CMG CEC: CMG FT4	6	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	58.0 115.0	26.4 52.3	.014	.36	.032	.81	.433	11.00
	9161	NEC: CMG CEC: CMG FT4	8	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	15.8 78.0 152.0	7.2 35.6 69.3	.014	.36	.037	.94	.475	12.07
	8692	NEC: CMG CEC: CMG FT4	9	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	87.0 170.0	39.5 77.3	.014	.36	.040	1.02	.524	13.31
	9741	NEC: CMG CEC: CMG FT4	12	See Chart 3 (Tech Info Section)	100 1000	30.5 304.8	25.7 223.0	11.7 101.4	.014	.36	.046	1.17	.600	15.24
	9742	NEC: CMG CEC: CMG FT4	15	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	30.9 148.5 294.0	14.0 67.5 133.6	.014	.36	.051	1.30	.677	17.20
	9743	NEC: CMG CEC: CMG FT4	19	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	37.0 179.0 355.0	16.8 81.4 161.4	.014	.36	.055	1.40	.721	18.31

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Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
18 AWG Stranded Conductors (19x30) • Tinned Copper • Twisted Pair														
Plenum • FEP Insulation • Red FEP Jacket														
300V RMS, Non-conduit 	**89740**	NEC: CMP CEC: CMP FT6	1	Black, Red	100 500† 1000†	30.5 152.4 304.8	3.0 9.0 17.0	1.4 4.1 7.7	.006	.17	.009	.23	.136	3.45
Plenum • FEP Insulation • Red Fluorocopolymer Jacket														
300V RMS, Non-conduit 	**87740**	NEC: CMP CEC: CMP FT6	1	Black, Red	500† 1000†	152.4 304.8	9.0 17.0	4.1 7.7	.006	.17	.011	.28	.140	3.56
Plenum • FEP Insulation • Natural Flamarrest® Jacket														
300V RMS, Non-conduit 	**82740**	NEC: CMP CEC: CMP FT6	1	Black, Red	U-1000 1000†	U-304.8 304.8	17.0 18.0	7.7 8.2	.006	.17	.014	.36	.146	3.71
16 AWG Stranded Conductors (19x29) • Tinned Copper • Twisted Pair														
PVC Insulation • Chrome PVC Jacket														
UL AWM Style 2598 (300V 60°C) 	**8471**	NEC: CMG CEC: CMG FT4	1	Black, White	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	20.0 20.0 39.0 40.0	9.1 9.1 17.7 18.2	.023	.58	.032	.81	.274	6.96
14 AWG Stranded Conductors (42x30) • Tinned Copper • Twisted Pair														
PVC Insulation • Chrome PVC Jacket														
UL AWM Style 2587 (600V 90°C) 	**8473**	NEC: CL3 CEC: FAS 90 FT4	1	Black, White	U-500 500 1000	U-152.4 152.4 304.8	29.5 30.5 58.0	13.4 13.9 26.4	.031	.79	.032	.81	.340	8.64
See NEC Guidelines for applicable CL3 voltage ratings.														
12 AWG Stranded Conductors (65x30) • Tinned Copper • Twisted Pair														
PVC Insulation • Chrome PVC Jacket														
UL AWM Style 2587 (600V 90°C) 	**8477**	NEC: CL3R	1	Black, White	U-500 500 1000	U-152.4 152.4 304.8	42.0 42.0 83.0	19.1 19.1 37.7	.032	.81	.035	.89	.386	9.80
See NEC Guidelines for applicable CL3 voltage ratings.														

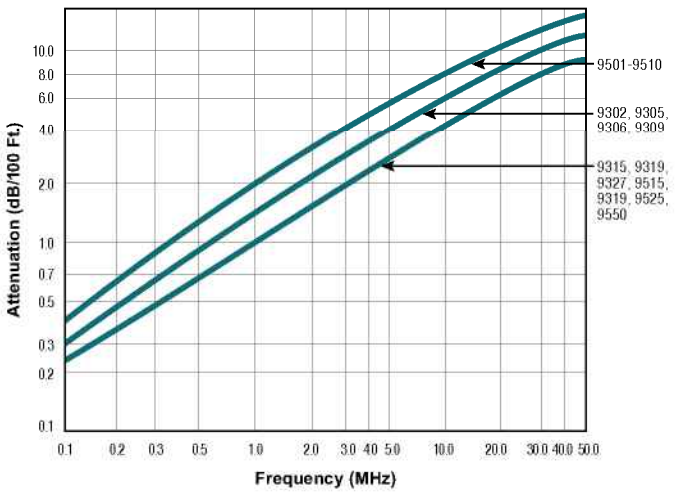
†Spools are one piece, but length may vary ±10% from length shown.

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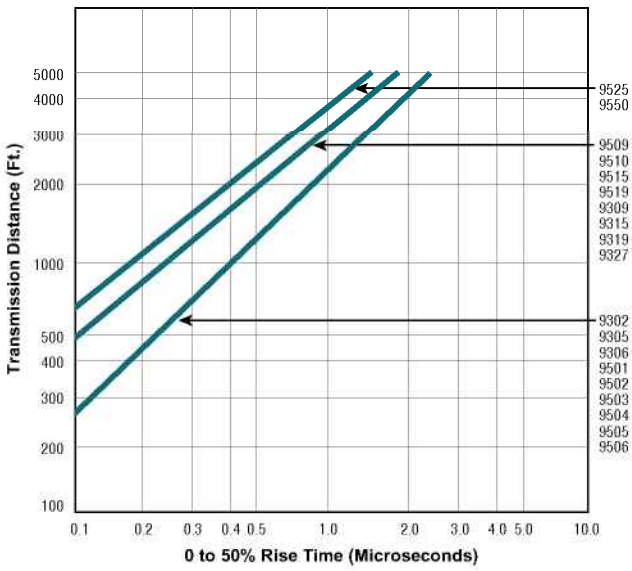
Overall Beldfoil® Shield

Cable Characteristics

Attenuation

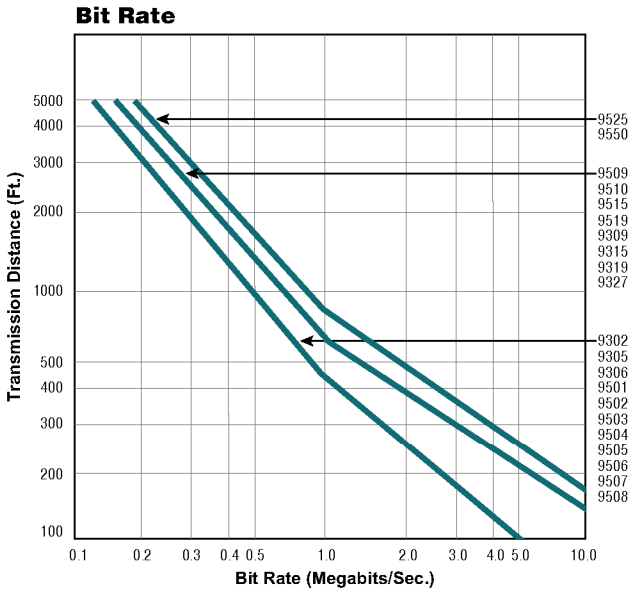


Rise Time



Cables are terminated in their characteristic impedance. Signal source electrical characteristics: 50 ohms and 10% to 90% rise time less than 5 nanoseconds.

Bit Rate



Charts assume 5% peak-to-peak time jitter as determined by eye pattern measurements of pseudorandom NRZ code.

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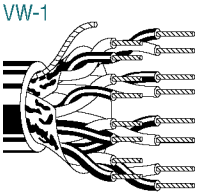
Overall Beldfoil® Shield

High-Temperature Control and Instrumentation Cables and Computer Cables for EIA RS-232 Applications

20 AWG Stranded Conductors (7x28) • Tinned Copper • Pairs Cabled Together • Overall 100% Beldfoil Aluminum-Kapton® Shield • Drain Wire

Tefzel® Insulation • Clear Tefzel Material Jacket

High-Temperature
300V RMS, 150°C
VW-1

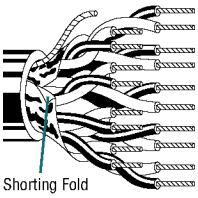


Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm	Nominal Capacitance * pF/ Ft.	Nominal Capacitance * pF/ m	Nominal Capacitance ** pF/ Ft.	Nominal Capacitance ** pF/ m
85164		4	Black & Red, Black & White, Black & Green, Black & Blue	100 500† 1000†	30.5 152.4 304.8	8.4 37.0 71.0	3.8 16.8 32.3	.015	.38	.025	.64	.344	8.74	23	75	40	131
85168		8	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White	100 500† 1000†	30.5 152.4 304.8	13.5 62.0 126.0	6.1 28.2 57.3	.015	.38	.025	.64	.439	11.15	23	75	40	131

24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire

Semi-rigid PVC Insulation • Chrome PVC Jacket

UL AWM Style 2464
(300V 80°C)
CSA AWM I A



Shorting Fold

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
9501	NEC: CMG CEC: CMG FT4	1	See Chart 3 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	2.1 7.5 7.0 14.0 14.0	1.0 3.4 3.2 6.4 6.4	24.0Ω/M´ 78.7Ω/km	18.0Ω/M´ 59.1Ω/km	.156	3.96	75	60%	40	131	74	243
9502††	NEC: CMG CEC: CMG FT4 P-MSHA-SC-7K-182037	2	See Chart 3 (Tech Info Section)	100 U-500 500 U-1000 1000 10000	30.5 U-152.4 152.4 U-304.8 304.8 3048.0	3.7 14.5 15.0 28.0 29.0 290.0	1.7 6.6 6.8 12.7 13.2 131.8	24.0Ω/M´ 78.7Ω/km	17.0Ω/M´ 55.8Ω/km	.222	5.64	75 For Plenum version of 9502, see 82502.	60%	30	98	50	164
9503	NEC: CMG CEC: CMG FT4	3	See Chart 3 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.9 14.5 15.0 29.0 29.0	1.8 6.6 6.8 13.2 13.2	24.0Ω/M´ 78.7Ω/km	17.0Ω/M´ 55.8Ω/km	.232	5.89	75 For Plenum versions of 9503, see 89503 or 82503.	60%	30	98	50	164
9504	NEC: CMG CEC: CMG FT4	4	See Chart 3 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	4.5 17.5 18.0 35.0 35.0	2.0 8.0 8.2 15.9 15.9	24.0Ω/M´ 78.7Ω/km	17.0Ω/M´ 55.8Ω/km	.265	6.73	75 For Plenum versions of 9504, see 89504 or 82504.	60%	30	98	50	164
9505	NEC: CMG CEC: CMG FT4	5	See Chart 3 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	5.5 22.0 22.5 43.0 44.0	2.5 10.0 10.2 19.5 20.0	24.0Ω/M´ 78.7Ω/km	17.0Ω/M´ 55.8Ω/km	.289	7.34	75 For Plenum versions of 9505, see 89505 or 82505.	60%	30	98	50	164

DCR = DC Resistance • TC = Tinned Copper

* Capacitance between conductors.
** Capacitance between one conductor and other conductors connected to shield.
† Spools are one piece, but length may vary ±10% from length shown.
†† Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration certification. Request quotations of RG/U cables not listed.

See Attenuation, Rise Time and Bit Rate data for this series on page 5.10.

Tefzel and Kapton are DuPont trademarks.

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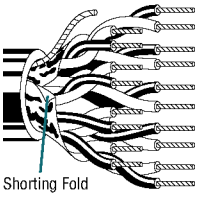
Overall Beldfoil® Shield

Computer Cables for EIA RS-232 Applications

24 AWG Stranded (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire *(continued)*

Semi-rigid PVC Insulation • Chrome PVC Jacket

UL AWM Style 2464
(300V 80°C)
CSA AWM I A



Shorting Fold

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/Ft.	Nom. Capacitance * pF/m	Nom. Capacitance ** pF/Ft.	Nom. Capacitance ** pF/m
9506	NEC: CMG CEC: CMG FT4	6	See Chart 3 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	5.8 23.5 24.0 47.0 47.0	2.6 10.7 10.9 21.4 21.4	24.0Ω/M´ 78.7Ω/km	16.0Ω/M´ 52.5Ω/km	.289	7.34	75	60%	30	98	50	164
9507	NEC: CMG CEC: CMG FT4	7	See Chart 3 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	6.3 26.0 26.5 51.0 52.0	2.9 11.8 12.0 23.2 23.6	24.0Ω/M´ 78.7Ω/km	16.5Ω/M´ 54.1Ω/km	.294	7.47	75	60%	30	98	50	164
9508	NEC: CMG CEC: CMG FT4	8	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.4 30.0 61.0	2.9 13.6 27.7	24.0Ω/M´ 78.7Ω/km	16.5Ω/M´ 54.1Ω/km	.324	8.23	75	60%	30	98	50	164
9509	NEC: CMG CEC: CMG FT4	9	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.0 33.0 69.0	3.2 15.0 31.4	24.0Ω/M´ 78.7Ω/km	16.5Ω/M´ 54.1Ω/km	.334	8.48	75	60%	30	98	50	164
9510	NEC: CMG CEC: CMG FT4	10	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.6 39.0 75.0	3.5 17.7 34.1	24.0Ω/M´ 78.7Ω/km	16.5Ω/M´ 54.1Ω/km	.368	9.34	75	60%	30	98	50	164
9515	NEC: CMG CEC: CMG FT4	15	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	10.4 52.0 102.0	4.7 23.6 46.4	24.0Ω/M´ 78.7Ω/km	16.5Ω/M´ 54.1Ω/km	.417	10.6	75	60%	30	98	50	164
9519	NEC: CMG CEC: CMG FT4	19	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	12.9 61.5 122.0	5.9 28.0 55.5	24.0Ω/M´ 78.7Ω/km	16.5Ω/M´ 54.1Ω/km	.448	11.4	75	60%	30	98	50	164
9525	NEC: CMG CEC: CMG FT4	25	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	16.2 80.5 156.0	7.4 36.6 70.9	24.0Ω/M´ 78.7Ω/km	16.5Ω/M´ 54.1Ω/km	.503	12.8	75	60%	30	98	50	164
9550	NEC: CMG CEC: CMG FT4	50	Request Technical Bulletin T/8-4	100 500† 1000†	30.5 152.4 304.8	30.9 153.5 311.0	14.0 69.8 141.4	24.0Ω/M´ 78.7Ω/km	15.2Ω/M´ 49.9Ω/km	.708	18.0	75	60%	30	98	50	164

For Plenum version of 9506, see 82506.

For Plenum version of 9509, see 82509.

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools are one piece, but length may vary -0% to +20% from length shown.

See Attenuation, Rise Time and Bit Rate data for this series on page 5.10.

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Overall Beldfoil® Shield

Computer Cables for EIA RS-232 Applications
Plenum-Rated

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire																		
Plenum • FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS, Non-conduit 	**82641**	NEC: CMP CEC: CMP FT6	1	Black, Red	U-1000† 1000†	U-304.8 304.8	9.0 10.0	4.1 4.5	.006	.15	.014	.36	.106	2.69	31	102	59	194
	82502	NEC: CMP CEC: CMP FT6	2	Black & White, Black & Red	U-500† U-1000† 1000†	U-152.4 U-304.8 304.8	8.0 15.0 16.0	3.6 6.8 7.3	.006	.15	.014	.36	.162	4.11	25	82	45	148
	82503	NEC: CMP CEC: CMP FT6	3	Black & White, Black & Red, Black & Green	U-1000† 1000†	U-304.8 304.8	19.0 20.0	8.6 9.1	.006	.15	.014	.36	.169	4.29	25	82	45	148
	82504	NEC: CMP CEC: CMP FT6	4	Black & White, Black & Red, Black & Green, Black & Blue	U-1000† 1000†	U-304.8 304.8	24.0 27.0	10.9 12.3	.006	.15	.014	.36	.193	4.90	25	82	45	148
	82505	NEC: CMP CEC: CMP FT6	5	See Chart 3 (Tech Info Section)	U-1000† 1000†	U-304.8 304.8	30.0 33.0	13.6 15.0	.006	.15	.015	.38	.196	4.98	25	82	45	148
	82506	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	U-500† U-1000† 1000†	U-152.4 U-304.8 304.8	17.5 34.0 37.0	8.0 15.5 16.8	.006	.15	.015	.38	.209	5.31	25	82	45	148
	82509	NEC: CMP CEC: CMP FT6	9	See Chart 3 (Tech Info Section)	1000†	304.8	49.0	22.3	.006	.15	.015	.38	.246	6.25	23	75	42	138
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS, Non-conduit 	**88641**	NEC: CMP CEC: CMP FT6	1	Black, Red	100 500† 1000†	30.5 152.4 304.8	2.4 6.0 11.0	1.1 2.7 5.0	.006	.15	.014	.36	.106	2.69	31	102	59	194
	89503	NEC: CMP CEC: CMP FT6	3	Black & White, Black & Red, Black & Green	100 500† 1000†	30.5 152.4 304.8	4.0 12.0 23.0	1.8 5.5 10.5	.006	.15	.014	.36	.175	4.45	21.0	69	40	131
	89504	NEC: CMP CEC: CMP FT6	4	Black & White, Black & Red, Black & Green, Black & Blue	500† 1000†	152.4 304.8	14.5 31.0	6.6 14.1	.006	.15	.014	.36	.192	4.88	21	69	40	131
	89505	NEC: CMP CEC: CMP FT6	5	Black & White, Black & Red, Black & Green, Black & Blue, Black & Yellow	100 1000†	30.5 304.8	4.9 35.0	2.2 15.9	.006	.15	.014	.36	.197	5.00	21	69	40	131

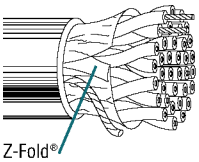
TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

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Overall Beldfoil® Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-485 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
28 AWG Stranded Conductors (7x36) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 28 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)	**8132F0** new	NEC: CL2	2	See Chart 5 (Tech Info) Section	500 1000	152.4 304.8	10.5 20.0	4.8 9.1	65.0Ω/M´ 213.0Ω/km	23.1Ω/M´ 75.8Ω/km	.215	5.46	120	78%	11.0	36.1	20.0	65.6
 Z-Fold®	**8133F0** new	NEC: CL2	3	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	13.0 26.0	5.9 11.8	65.0Ω/M´ 213.0Ω/km	23.1Ω/M´ 75.8Ω/km	.250	6.35	120	78%	11.0	36.1	20.0	65.6
	8134F0 new	NEC: CL2	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	16.5 31.0	7.5 14.1	65.0Ω/M´ 213.0Ω/km	20.0Ω/M´ 65.6Ω/km	.270	6.86	120	78%	11.0	36.1	20.0	65.6
	8135F0 new	NEC: CL2	5	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	17.0 32.0	7.7 14.5	65.0Ω/M´ 213.0Ω/km	20.0Ω/M´ 65.6Ω/km	.280	7.11	120	78%	11.0	36.1	20.0	65.6
	8138F0 new	NEC: CL2	8	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	22.0 42.0	10.0 19.1	65.0Ω/M´ 213.0Ω/km	17.7Ω/M´ 58.1Ω/km	.310	7.88	120	78%	11.0	36.1	20.0	65.6
	8142F0 new	NEC: CL2	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	27.5 54.0	12.5 24.5	65.0Ω/M´ 213.0Ω/km	17.7Ω/M´ 58.1Ω/km	.385	9.78	120	78%	11.0	36.1	20.0	65.6
	8148F0 new	NEC: CL2	18	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	38.5 75.0	17.5 34.1	65.0Ω/M´ 213.0Ω/km	15.8Ω/M´ 51.8Ω/km	.445	11.31	120	78%	11.0	36.1	20.0	65.6
	8155F0 new	NEC: CL2	25	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	42.0 80.0	19.1 36.4	65.0Ω/M´ 213.0Ω/km	14.3Ω/M´ 4.7Ω/km	.545	13.85	120	78%	11.0	36.1	20.0	65.6

DCR = DC Resistance • TC = Tinned Copper

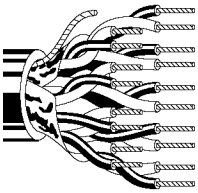
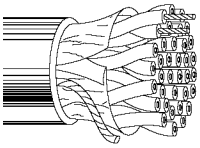
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

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Overall Beldfoil® Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-422 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C) 	**9680**	NEC: CM CEC: CM	3	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	19.0 38.0	8.6 17.3	24.0Ω/M´ 78.7Ω/km	14.4Ω/M´ 47.2Ω/km	.282	7.16	100	66%	15.5	50.8	27.5	90.2
	9681	NEC: CM CEC: CM	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	22.5 45.0	10.2 20.5	24.0Ω/M´ 78.7Ω/km	14.4Ω/M´ 47.2Ω/km	.307	7.80	100	66%	15.5	50.8	27.5	90.2
	9682	NEC: CM CEC: CM	6	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	29.5 56.0	13.4 25.5	24.0Ω/M´ 78.7Ω/km	13.1Ω/M´ 43.0Ω/km	.342	8.69	100	66%	15.5	50.8	27.5	90.2
	9683	NEC: CM CEC: CM	9	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	40.0 79.0	18.2 35.9	24.0Ω/M´ 78.7Ω/km	12.0Ω/M´ 39.4Ω/km	.397	10.10	100	66%	15.5	50.8	27.5	90.2
	9684	NEC: CM CEC: CM	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	49.5 97.0	22.6 44.1	24.0Ω/M´ 78.7Ω/km	12.0Ω/M´ 39.4Ω/km	.445	11.30	100	66%	15.5	50.8	27.5	90.2
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C) 	**1419A**	NEC: CM CEC: CM	2	See Chart 5 (Tech Info Section)	500 1000 10000	152.4 304.8 3048.0	15.5 30.0 310.0	7.0 13.6 140.9	24.0Ω/M´ 78.7Ω/km	15.1Ω/M´ 49.5Ω/km	.248	6.30	100	78%	13	42.7	22	72
	1420A	NEC: CM CEC: CM	3	See Chart 5 (Tech Info Section)	500 1000 10000	152.4 304.8 3048.0	17.0 34.0 340.0	7.7 15.5 154.5	24.0Ω/M´ 78.7Ω/km	15.1Ω/M´ 49.5Ω/km	.261	6.63	100	78%	13	42.7	22	72
	1421A	NEC: CM CEC: CM	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	18.5 37.0	8.4 16.8	24.0Ω/M´ 78.7Ω/km	14.4Ω/M´ 47.2Ω/km	.280	7.11	100	78%	13	42.7	22	72
	1422A	NEC: CM CEC: CM	5	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	23.0 43.0	10.5 19.5	24.0Ω/M´ 78.7Ω/km	14.4Ω/M´ 47.2Ω/km	.294	7.47	100	78%	13	42.7	22	72
	1423A	NEC: CM CEC: CM	6	See Chart 5 (Tech Info Section)	500 1000 10000	152.4 304.8 3048.0	25.0 48.0 500.0	11.4 21.8 227.3	24.0Ω/M´ 78.7Ω/km	13.0Ω/M´ 42.7Ω/km	.319	8.10	100	78%	13	42.7	22	72
	1424A	NEC: CM CEC: CM	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	42.0 83.0	19.1 37.7	24.0Ω/M´ 78.7Ω/km	13.0Ω/M´ 42.7Ω/km	.418	10.62	100	78%	13	42.7	22	72
	1425A	NEC: CM CEC: CM	15	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	53.0 99.0	24.1 45.0	24.0Ω/M´ 78.7Ω/km	11.2Ω/M´ 36.7Ω/km	.473	12.01	100	78%	13	42.7	22	72

DCR = DC Resistance • TC = Tinned Copper

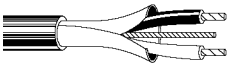
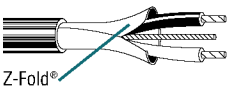
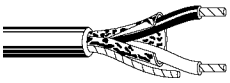
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

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Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield▲ • 24 AWG Stranded TC Drain Wire																		
Polyolefin Insulation • Black Matte PVC Jacket																		
High-Flex 300V RMS	**1508A**		1	Black, Red	500 1000	152.4 304.8	5.5 12.0	2.5 5.5	.008	.20	.024	.61	.131	3.33	31	102	58	190
																		
Jacket and shield are bonded so both can be removed with automatic stripping equipment.																		
Polypropylene Insulation • Gray PVC Jacket																		
300V RMS	**1883A**	NEC: CMR CEC: CMG FT4	1	Black, Red	U-1000• 1000	U-304.8 304.8	12.0 12.0	5.5 5.5	.008	.20	.020	.51	.123	3.12	31	102	58	190
 Z-Fold®																		
• U-1000 ft. put-up also available in Brown, Red, Orange, Yellow, Green, Blue, Violet, White or Black. Jacket and shield are bonded so both can be removed with automatic stripping equipment.																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2092 (300V 60°C)	**8641**	NEC: CM CEC: CM	1	Black, Clear	100 U-500 500 U-1000 1000 2000	30.5 U-152.4 152.4 U-304.8 304.8 609.6	2.1 7.0 7.0 13.0 14.0 26.0	1.0 3.2 3.2 5.9 6.4 11.8	.016	.41	.025	.64	.168	4.27	22	72	42	138
											For Plenum versions of 8641, see 88641 or 82641.							
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS, Non-conduit	**88641**	NEC: CMP CEC: CMP FT6	1	Black, Red	100 500† 1000†	30.5 152.4 304.8	2.4 6.0 11.0	1.1 2.7 5.0	.006	.15	.014	.36	.106	2.69	31	102	59	194
																		
Plenum • FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS, Non-conduit	**82641**	NEC: CMP CEC: CMP FT6	1	Black, Red	U-1000† 1000†	U-304.8 304.8	9.0 10.0	4.1 4.5	.006	.15	.014	.36	.106	2.69	31	102	59	194
																		

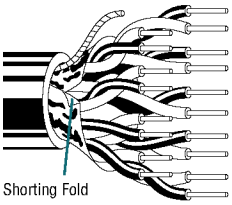
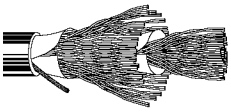
TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.
▲ Beldfoil provides high reliability with ease of termination.

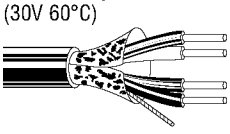
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Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm	Nominal Capacitance * pF/ Ft.	Nominal Capacitance * pF/ m	Nominal Capacitance ** pF/ Ft.	Nominal Capacitance ** pF/ m
22 AWG Solid Conductors • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 22 AWG Stranded TC Drain Wire																		
PVC Insulation • Chrome PVC Jacket																		
UL AWM Style 2464 (300V 80°C)  Shorting Fold	**9302**	NEC: CMG CEC: CMG FT4	2	See Chart 3 (Tech Info Section)	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	15.0 15.5 30.0 30.0	6.8 7.0 13.6 13.6	.013	.33	.032	.81	.244	6.20	35	115	50	164
	9305	NEC: CMG CEC: CMG FT4	4	See Chart 3 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	5.6 22.5 22.5 44.0 44.0	2.5 10.2 10.2 20.0 20.0	.013	.33	.032	.81	.265	6.73	35	115	50	164
	9306	NEC: CMG CEC: CMG FT4	6	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	30.5 62.0	13.9 28.2	.013	.33	.032	.81	.315	8.00	35	115	50	164
	9309	NEC: CMG CEC: CMG FT4	9	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	44.5 86.0	20.2 39.1	.013	.33	.033	.84	.363	9.22	35	115	50	164
	9315	NEC: CMG CEC: CMG FT4	15	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	67.0 133.0	30.5 60.5	.013	.33	.037	.94	.449	11.41	35	115	50	164
	9319	NEC: CMG CEC: CMG FT4	19	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	85.0 165.0	38.6 75.0	.013	.33	.040	1.02	.495	12.57	35	115	50	164
	9327	NEC: CMG CEC: CMG FT4	27	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	116.0 230.0	52.7 104.5	.013	.33	.045	1.14	.615	15.62	35	115	50	164
300V RMS, 60°C 	**8751**	NEC: CMG CEC: CMG FT4	51	Request Technical Bulletin T/8-4	1000†	304.8	384.0	174.5	.010	.25	.050	1.27	.710	18.03	30	98	42.8	140

For 38-pair polypropylene version of 8751, see 8752.

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
22 AWG Solid Conductors • Tinned Copper • Twisted Pairs • 100% Duofoil® Shield • 22 AWG Stranded Tinned Copper Drain Wire																		
Datalene® Insulation • Black PVC Jacket																		
UL AWM Style 2668 (30V 60°C) 	**9184**	NEC: CM CEC: CM	2	Black & Yellow, Red & Blue	500 1000	152.4 304.8	30.5 59.0	13.9 26.8	16.5Ω/M′ 54.13Ω/km	8.0Ω/M′ 26.2Ω/km	.385	9.78	150	78%	8.7	28.5	14.1	46.3

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools are one piece, but length may vary -0 to +20% from length shown.

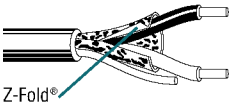
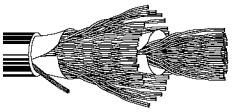
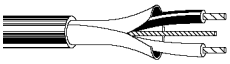
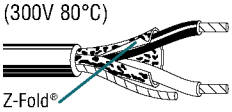
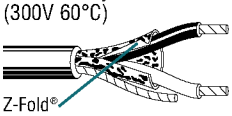
Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

See Attenuation, Rise Time and Bit Rate data for this series on page 5.10.

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Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Solid Conductors • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 22 AWG Solid TC Drain Wire◆																		
Polypropylene Insulation • Gray or Black PVC Jacket																		
300V RMS 105°C	**8450**	NEC:	1	Black,	U-500▲	U-152.4	7.0	3.2	.007	.18	.018	.46	.118	3.00	40	131	76	249
 Z-Fold®		CM		Red	U-1000▲	U-304.8	13.0	5.9										
		CEC:			1000	304.8	13.0	5.9										
		CM																
Polypropylene Insulation • Chrome PVC Jacket																		
200V RMS 80°C	**8752**		38	Request	250†	76.2	65.0	29.5	.008	.20	.045	1.14	.610	15.50	17	56	24.3	80
				Tech	1000†	304.8	256.0	116.4										
				Bulletin														
				T/8-4														
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 22 AWG Stranded TC Drain Wire																		
Semi-rigid PVC Insulation • Pale Fawn Beige Jacket-Striated PVC																		
UL AWM Style 2464 (300V 80°C)	**9414**	NEC:	1	White,	U-500	U-152.4	12.0	5.5	.010	.254	.035	.89	.180	4.60	50	164	95	312
		CMG		Black	500	152.4	11.5	5.2										
		CEC:			U-1000	U-304.8	23.0	10.5										
		CMG FT4			1000	304.8	23.0	10.5										
PVC Insulation • Chrome PVC Jacket																		
UL AWM Style 2464 (300V 80°C)	**9462**	NEC:	1	Black,	100	30.5	3.0	1.4	.013	.33	.035	.89	.186	4.70	50	164	90	295
 Z-Fold®		CMG		Red	U-500	U-152.4	11.0	5.0										
		CEC:			500	152.4	10.5	4.8										
		CMG FT4			U-1000	U-304.8	21.0	9.5										
					1000	304.8	21.0	9.5										
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2092 (300V 60°C)	**8761**	NEC:	1	Black,	U-500	U-152.4	9.0	4.1	.016	.41	.025	.64	.175	4.45	24	79	47	154
 Z-Fold®		CM		Clear	500	152.4	9.0	4.1										
		CEC:			U-1000	U-304.8	17.0	7.7										
		CM			1000	304.8	18.0	8.2			For Plenum versions of 8761, see 88761, 87761 or 82761.							
					2000	609.6	34.0	15.5										
					5000	1524.0	90.0	40.9										
					10000††	3048.0	170.0	77.3										
UL AWM Style 2092 (300V 60°C)	**9461**	NEC:	1	Black,	U-500	U-152.4	11.0	5.0	.016	.41	.026	.66	.180	4.57	24	79	47	154
		CM		Clear	U-1000	U-304.8	21.0	9.6										
		CEC:																
		CM																

The jacket and shield are bonded so both can be removed on automatic stripping equipment.

TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools are one piece, but length may vary -0 to +20% from length shown.
††Length may vary -10% to +20% and may contain 2 pieces. Minimum length of any piece is 1500 ft.

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Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm	Nominal Capacitance * pF/ Ft.	Nominal Capacitance * pF/ m	Nominal Capacitance ** pF/ Ft.	Nominal Capacitance ** pF/ m
22 AWG Stranded (7x30) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 22 AWG Stranded TC Drain Wire *(continued)*																		
Polypropylene Insulation • Paper Wrap • Gray or Black PVC Jacket																		
300V RMS	**8451**	NEC:	1	Black,	100◆	30.5	2.7	1.2	.008	.20	.020	.51	.138	3.51	34	111	67	220
		CM		Red	U-500	U-152.4	7.5	3.4										
		CEC:			500	152.4	8.0	3.6										
		CM			U-1000	U-304.8	14.0	6.4										
					1000	304.8	15.0	6.8										
Z-Fold®																		
◆100 ft. put-up available in Black only.																		
Belden's Miniature Type Broadcast Audio and Instrumentation Cables occupy 1/2 to 2/3 less space than standard cables. Unique paper separator facilitates jacket stripping.																		
Polypropylene Insulation • PVC Jacket (Available in Black, Gray, Brown, Red, Orange, Yellow, Green, Blue, Violet or White)																		
300V RMS	**9451**	NEC:	1	Black,	U-500▲	U-152.4	8.0	3.6	.008	.20	.020	.51	.135	3.43	34	111	67	220
		CMR		Red	500▲	152.4	8.0	3.6										
		CEC:			T-1000▲	T-304.8	17.0	7.7										
		CMG FT4			U-1000	U-304.8	15.0	6.8										
					5000	1524.0	74.5	33.9										
▲U-500 ft., 500 ft. and T-1000 ft. put-ups available in Gray only.																		
The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.																		
Polyolefin Insulation • PVC Jacket in Zip-Cord Construction (Red & Green, Red & Black, Red & Purple or Red & Gray)																		
300V 105°C	**9451D** new	NEC:	2	Black,	U-1000	U-304.8	28.0	12.7	.008	.20	.020	.51	.135	3.43	34	112	67	220
		CMR		Red	2000●	620.8	60.0	27.3					x	x				
		CEC:											.270	6.86				
		CMG FT4																
●2000 ft. put-up available in Red & Green only.																		
The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.																		
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • PVC Jacket (Available in Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White or Black)																		
300V RMS	**1266A**	NEC:	1	Black,	U-1000	U-304.8	15.0	6.8	.010	.25	.020	.51	.145	3.68	30	99	54	177
		CM		Red	1000†	304.8	15.0	6.8										
		CEC:																
		CM																
†1000 ft. put-up available in Black only.																		
Unique design features lower capacitance and greater flexibility than standard audio pair constructions.																		
PVC Insulation • PVC Jacket (Available in Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White or Black)																		
300V 90°C	**1503A**	NEC:	1	Black,	U-1000	U-304.8	16.0	7.3	.010	.25	.020	.51	.142	3.61	53	174	97	318
		CM		Red														
		CEC:																
		CM																
22 AWG Stranded Conductors (19x34) • Tinned Copper • Dual Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire																		
PVC Insulation • PVC Jacket in Zip-Cord Construction (Red & Green, Red & Black, Red & Purple or Red & Gray)																		
Stereo Audio 150V RMS	**1504A**	NEC:	2	Black,	U-1000	U-304.8	33.0	15.0	.010	.25	.020	.51	.143	3.63	57	187	100	328
		CM		Red	2000††	609.8	68.0	30.9					x	x				
		CEC:											.286	7.26				
		CM																
††2000 ft. put-up available in Red & Gray or Red & Green only.																		
The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.																		

TC = Tinned Copper

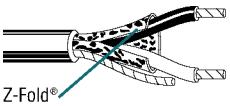
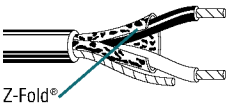
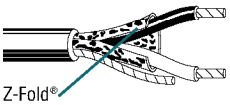
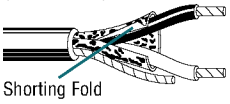
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

5 • Paired Cables

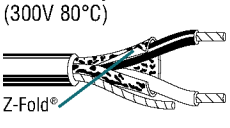
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Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm	Nominal Capacitance * pF/ Ft.	Nominal Capacitance * pF/ m	Nominal Capacitance ** pF/ Ft.	Nominal Capacitance ** pF/ m
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 22 AWG Stranded TC Drain Wire																		
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS, Non-conduit	**88761**	NEC:	1	Black,	100	30.5	2.7	1.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
 Z-Fold®		CMP		Red	U-500	U-152.4	7.0	3.2										
		CEC:			500†	152.4	7.5	3.4										
		CMP FT6			U-1000	U-304.8	13.0	5.9										
					1000†	304.8	14.0	6.4										
Plenum • FEP Insulation • Red Fluorocopolymer Jacket																		
300V RMS, Non-conduit	**87761**	NEC:	1	Black,	500†	152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
 Z-Fold®		CMP		Red	1000†	304.8	13.0	5.9										
		CEC:																
		CMP FT6																
Plenum • FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS, Non-conduit	**82761**	NEC:	1	Black,	U-500†	U-152.4	6.5	3.0	.006	.15	.014	.36	.116	2.95	35	115	67	220
 Z-Fold®		CMP		Red	U-1000†	U-304.8	12.0	5.5										
		CEC:			1000†	304.8	13.0	5.9										
		CMP FT6																
20 AWG Stranded Conductors (7x28) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 20 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2092 (300V 60°C)	**8762**	NEC:	1	Black,	100	30.5	3.2	1.5	.016	.41	.028	.71	.204	5.18	27	89	49	161
 Shorting Fold		CM		Clear	250	76.2	6.3	2.8										
		CEC:			U-500	U-152.4	12.0	5.5										
		CM			500	152.4	12.0	5.5										
					U-1000	U-304.8	23.0	10.5										
					1000	304.8	23.0	10.5										
					2000	609.6	46.0	20.9										
					10000	3048.0	240.0	109.1										
UL AWM Style 2092 (300V 60°C)	**9464**	NEC:	1	Black,	U-500	U-152.4	16.5	7.5	.016	.41	.035	.89	.214	5.44	27	89	49	161
		CM		Clear	U-1000	U-304.8	33.0	15.0										
		CEC:																
		CM																

The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is on the inside of foil shield.

PVC Insulation • Beige PVC Jacket																		
UL AWM Style 2464 (300V 80°C)	**9154**	NEC:	1	Black,	U-500	U-152.4	11.5	5.2	.014	.36	.031	.79	.198	5.03	60	197	100	328
 Z-Fold®		CMG		Red	500	152.4	12.0	5.5										
		CEC:			U-1000	U-304.8	23.0	10.5										
		CMG FT4			1000	304.8	23.0	10.5										

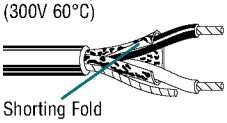
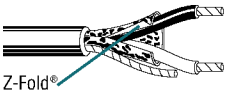
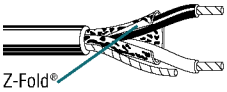
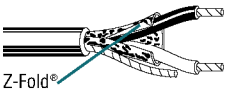
9154 has 22 AWG stranded tinned copper drain wire.

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

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Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
18 AWG Stranded Conductors (16x30) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 20 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2092 (300V 60°C)  Shorting Fold	**8760**	NEC: CM CEC: CM	1	Black, Clear	250 U-500 500 U-1000 1000 2000 5000 10000	76.2 U-152.4 152.4 U-304.8 304.8 609.6 1524.0 3048.0	6.8 13.0 13.0 26.0 25.0 50.0 135.0 260.0	3.1 5.9 5.9 11.8 11.4 22.7 61.4 118.2	.019	.48	.028	.71	.222	5.64	24	79	44	144
	**9460**	NEC: CM CEC: CM	1	Black, Clear	U-500 U-1000	U-152.4 U-304.8	18.5 36.0	8.4 16.4	.019	.48	.030	.76	.230	5.84	24	79	44	144
18 AWG Stranded Conductors (19x30) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 20 AWG Stranded TC Drain Wire																		
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS, Non-conduit  Z-Fold®	**88760**	NEC: CMP CEC: CMP FT6	1	Black, Red	100 U-500 500† U-1000 1000†	30.5 U-152.4 152.4 U-304.8 304.8	3.7 12.5 13.0 24.0 24.0	1.7 5.7 5.9 10.9 10.9	.007	.18	.014	.36	.150	3.81	51	167	97	318
Plenum • FEP Insulation • Red Fluorocopolymer Jacket																		
300V RMS, Non-conduit  Z-Fold®	**87760**	NEC: CMP CEC: CMP FT6	1	Black, Red	U-500 500† 1000†	U-152.4 152.4 304.8	12.0 12.5 23.0	5.5 5.7 10.5	.007	.18	.014	.36	.150	3.81	51	167	97	318
Plenum • FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS, Non-conduit  Z-Fold®	**82760**	NEC: CMP CEC: CMP FT6	1	Black, Red	U-500† U-1000† 1000†	U-152.4 U-304.8 304.8	11.5 22.0 23.0	5.2 10.0 10.5	.007	.18	.014	.36	.150	3.81	51	167	97	318

The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is on the inside of foil shield.

For Plenum versions of 8760, see 88760, 87760 or 82760.

TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

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Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
16 AWG Stranded Conductors (19x29) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 18 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 20253 (600V 80°C)	**8719**	NEC: CM, CL2	1	Black, Clear	U-500	U-152.4	24.5	11.1	.032	.81	.032	.81	.313	7.95	23	75	44	144
		CEC: CM			500	152.4	24.5	11.1										
					U-1000	U-304.8	47.0	21.4										
					1000	304.8	49.0	22.3										
					2000	609.6	100.0	45.5										
					5000	1524.0	245.0	111.4										
					10000	3048.0	430.0	195.5										
Shorting Fold																		
14 AWG Stranded Conductors (19x27) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 16 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 20253 (600V 80°C)	**8720**	NEC: CM, CL2	1	Black, Clear	U-500	U-152.4	34.5	15.7	.032	.81	.035	.89	.355	9.02	24	79	47	154
		CEC: CM			500	152.4	34.0	15.5										
					1000	304.8	71.0	32.3										
					2000	609.6	138.0	62.7										
Z-Fold®																		
12 AWG Stranded Conductors (19x25) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 14 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 20253 (600V 80°C)	**8718**	NEC CM, CL2	1	Black, Clear	U-500	U-152.4	48.5	22.0	.037	.94	.040	1.02	.400	10.16	25	82	49	161
		CEC: CM			500	152.4	51.0	23.2										
					1000	304.8	100.0	45.5										
					2000	609.6	198.0	90.0										
Z-Fold®																		

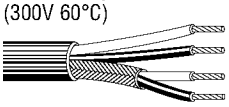
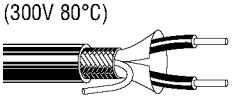
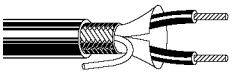
TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

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Combination Unshielded and Braid Shield and Overall Braid Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
Combination • 22 AWG Stranded Conductors (7x30) • Tinned Copper • Conductors Cabled • 62% TC Braid Shield Over One Pair																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2094 (300V 60°C) 	**8732**	NEC: CM CEC: CM	2: 1 Shld 1 Unshld	Black, Clear Black, Clear	500 U-1000 1000	152.4 U-304.8 304.8	19.5 38.0 39.0	8.9 17.3 17.7	.020	.51	.030	.76	.206 x .332	5.23 x 8.43	21	69	37	121
Overall Braid • 22 AWG Solid • Tinned Copper • Twisted Pair • Polyester Tape + 88% TC Braid Shield • 22 AWG Solid TC Drain Wire																		
PVC Insulation • Black PVC Jacket																		
UL AWM Style 2095 (300V 80°C) 	**8437**	NEC: CMG CEC: CMG FT4	1	Black, Red	1000	304.8	25.0	11.4	.015	.38	.025	.64	.200	5.08	48	157	85	279
Overall Braid • 22 AWG Stranded (7x30) • Tinned Copper • Twisted Pair • Polyester Tape + 86% TC Braid Shield • Stranded TC Drain Wire																		
PVC Insulation • Black PVC Jacket																		
UL AWM Style 2095 (300V 80°C) 	**8441**	NEC: CMG CEC: CMG FT4	1	Black, Red	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.6 14.0 14.0 27.0 27.0	1.6 6.4 6.4 12.3 12.3	.015	.38	.025	.64	.210	5.33	49	161	86	282
Overall Braid • 18 AWG Stranded Conductors (16x30) • Tinned Copper • Twisted Pair • Separator + 73% Tinned Copper Braid Shield																		
Rubber Insulation • Chrome PVC Jacket																		
300V RMS 80°C 	**8208**		1	Red, White	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	5.2 21.5 22.0 43.0 43.0	2.4 9.8 10.0 19.5 19.5	.022	.56	.025	.64	.257	6.53	46	151	77	253

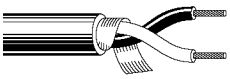
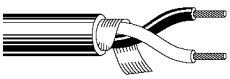
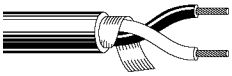
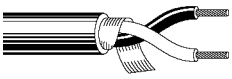
TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

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Overall Spiral Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
Overall Spiral • 22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pair • 85% Tinned Copper Spiral Wrapped Shield																		
PVC Insulation • Chrome PVC Jacket																		
UL AWM Style 2095 (300V 80°C)	**8737**	NEC:	1	Black,	U-500	U-152.4	10.5	4.8	.015	.38	.025	.64	.180	4.57	40	131	70	230
		CMG		Red	500	152.4	10.0	4.5										
		CEC:			U-1000	U-304.8	20.0	9.1										
		CMG FT4			1000	304.8	20.0	9.1										
Overall Spiral • 20 AWG Stranded Conductors (7x28) • Tinned Copper • Twisted Pair • 89% Tinned Copper Spiral Wrapped Shield																		
PVC Insulation • Chrome PVC Jacket																		
UL AWM Style 2095 (300V 80°C)	**8759**	NEC:	1	Black,	U-500	U-152.4	13.0	5.9	.016	.41	.025	.64	.199	5.05	47	154	79	259
		CMG		Red	U-1000	U-304.8	25.0	11.4										
		CEC:			1000	304.8	25.0	11.4										
		CMG FT4																
Overall Spiral • 18 AWG Stranded Conductors (7x26) • Tinned Copper • Twisted Pair • 85% Tinned Copper Spiral Wrapped Shield																		
PVC Insulation • Chrome PVC Jacket																		
300V RMS 60°C	**8790**	NEC:	1	Red,	U-500	U-152.4	17.0	7.7	.022	.56	.028	.71	.241	6.12	53	174	92	302
		CMG		White	500	152.4	17.5	8.0										
		CEC:			U-1000	U-304.8	34.0	15.5										
		CMG FT4			1000	304.8	35.0	15.9										
Overall Spiral • 16 AWG Stranded Conductors (19x29) • Tinned Copper • Twisted Pair • 85% Tinned Copper Spiral Wrapped Shield																		
PVC Insulation • Chrome PVC Jacket																		
300V RMS 60°C	**8780**	NEC:	1	Black,	500	152.4	23.5	10.7	.023	.58	.030	.76	.280	7.11	57	187	98	322
		CMG		White	U-1000	U-304.8	45.0	20.5										
		CEC:			1000	304.8	46.0	20.9										
		CMG FT4																

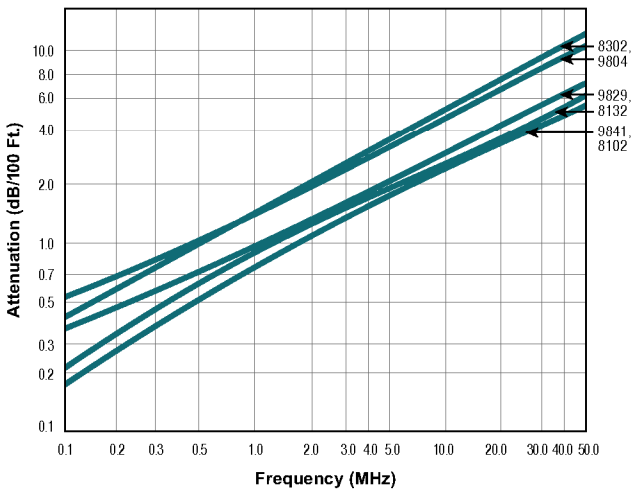
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

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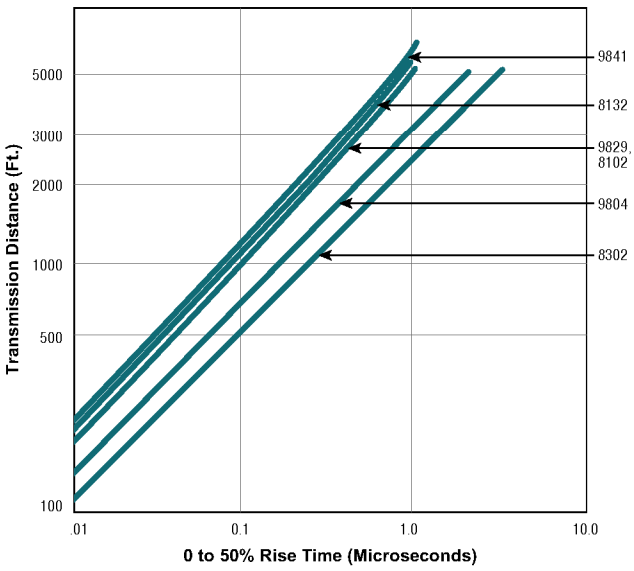
Overall Foil/Braid Shield

Cable Characteristics

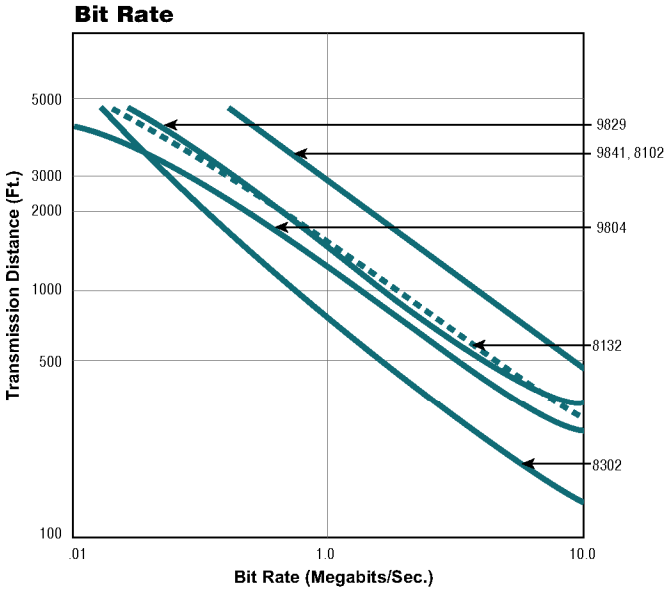
Attenuation



Rise Time



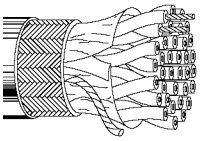
Bit Rate



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Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-422 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
28 AWG Stranded (7x36) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil® + 90% TC Braid Shield • 28 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2960 (30V 60°C) 	**9804**	NEC: CL2	2	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	3.8 17.5 30.0	1.7 8.0 13.6	64.9Ω/M´ 212.9Ω/km	4.9Ω/M´ 16.1Ω/km	.214	5.44	100	66%	15.5	50.9	27.5	90.2
	9805	NEC: CL2	3	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.2 19.5 35.0	1.9 8.9 15.9	64.9Ω/M´ 212.9Ω/km	4.2Ω/M´ 13.8Ω/km	.222	5.64	100	66%	15.5	50.9	27.5	90.2
	9806	NEC: CL2	4	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.8 19.5 39.0	2.2 8.9 17.7	64.9Ω/M´ 212.9Ω/km	4.0Ω/M´ 13.1Ω/km	.237	6.02	100	66%	15.5	50.9	27.5	90.2
	9807	NEC: CL2	5	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.8 19.5 39.0	2.2 8.9 17.7	64.9Ω/M´ 212.9Ω/km	4.2Ω/M´ 13.8Ω/km	.240	6.10	100	66%	15.5	50.9	27.5	90.2
	9808	NEC: CL2	7	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.3 22.5 44.0	2.4 10.2 20.0	64.9Ω/M´ 212.9Ω/km	3.7Ω/M´ 12.1Ω/km	.256	6.50	100	66%	15.5	50.9	27.5	90.2
	9809	NEC: CL2	9	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.4 27.0 53.0	2.9 12.3 24.1	64.9Ω/M´ 212.9Ω/km	3.1Ω/M´ 10.2Ω/km	.290	7.37	100	66%	15.5	50.9	27.5	90.2
	9812	NEC: CL2	12	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.7 31.0 62.0	3.0 14.1 28.2	64.9Ω/M´ 212.9Ω/km	2.8Ω/M´ 9.2Ω/km	.319	8.10	100	66%	15.5	50.9	27.5	90.2
	9813	NEC: CL2	13	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.0 34.0 66.0	3.2 15.5 30.0	64.9Ω/M´ 212.9Ω/km	2.2Ω/M´ 7.2Ω/km	.336	8.53	100	66%	15.5	50.9	27.5	90.2
	9819	NEC: CL2	18	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.3 41.0 82.0	3.8 18.6 37.3	64.9Ω/M´ 212.9Ω/km	2.0Ω/M´ 6.7Ω/km	.365	9.27	100	66%	15.5	50.9	27.5	90.2
	9825	NEC: CL2	25	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	13.6 54.5 108.0	6.2 24.8 49.1	64.9Ω/M´ 212.9Ω/km	1.9Ω/M´ 6.2Ω/km	.429	10.90	100	66%	15.5	50.9	27.5	90.2
	9814	NEC: CL2	31	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	13.4 64.0 127.0	6.1 29.1 57.7	64.9Ω/M´ 212.9Ω/km	2.1Ω/M´ 6.9Ω/km	.462	11.73	100	66%	15.5	50.9	27.5	90.2

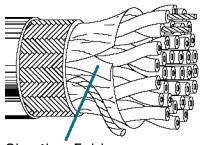
DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

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Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-485 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
28 AWG Stranded (7x36) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil® + 65% TC Braid Shield • 28 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)	**8132**	NEC: CL2	2	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	3.6 14.5 28.0	1.6 6.6 12.8	65.0Ω/M′ 213.0Ω/km	5.1Ω/M′ 16.6Ω/km	.220	5.59	120	78%	11.0	36.1	20.0	65.6
 Shorting Fold	**8133**	NEC: CL2	3	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.5 17.0 34.0	2.0 7.7 15.5	65.0Ω/M′ 213.0Ω/km	5.2Ω/M′ 17.1Ω/km	.270	6.86	120	78%	11.0	36.1	20.0	65.6
	8134	NEC: CL2	4	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.0 20.0 39.0	2.3 9.1 17.7	65.0Ω/M′ 213.0Ω/km	4.4Ω/M′ 14.3Ω/km	.290	7.37	120	78%	11.0	36.1	20.0	65.6
	8135	NEC: CL2	5	See Chart 5 (Tech Info Section)	100 1000	30.5 304.8	5.3 42.0	2.4 19.1	65.0Ω/M′ 213.0Ω/km	4.2Ω/M′ 13.8Ω/km	.300	7.62	120	78%	11.0	36.1	20.0	65.6
	8138	NEC: CL2	8	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.6 27.0 52.0	2.5 12.3 23.6	65.0Ω/M′ 213.0Ω/km	3.7Ω/M′ 12.3Ω/km	.330	8.38	120	78%	11.0	36.1	20.0	65.6
	8142	NEC: CL2	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.0 34.5 69.0	3.2 15.7 31.4	65.0Ω/M′ 213.0Ω/km	3.1Ω/M′ 10.1Ω/km	.407	10.34	120	78%	11.0	36.1	20.0	65.6
	8148	NEC: CL2	18	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	12.2 47.5 92.0	5.5 21.6 41.8	65.0Ω/M′ 213.0Ω/km	2.6Ω/M′ 8.4Ω/km	.465	11.81	120	78%	11.0	36.1	20.0	65.6
	8155	NEC: CL2	25	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	13.1 64.0 121.0	6.0 29.1 55.0	65.0Ω/M′ 213.0Ω/km	2.3Ω/M′ 7.6Ω/km	.565	14.35	120	78%	11.0	36.1	20.0	65.6

DCR = DC Resistance • TC = Tinned Copper

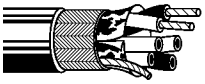
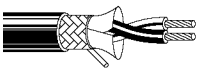
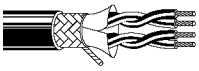
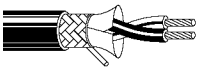
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

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Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-485 Applications
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil® + 90% TC Braid Shield • 24 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C) 	**9841**	NEC: CM CEC: CM	1	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.8 20.0 40.0	2.2 9.1 18.2	24.0Ω/M′ 78.7Ω/km	3.4Ω/M′ 11.0Ω/km	.232	5.89	120	66%	12.8	42.0	23.0	75.5
															For Plenum versions of 9841, see 82841 or 89841.			
	9842	NEC: CM CEC: CM	2	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.8 29.5 57.0	2.6 13.4 25.9	24.0Ω/M′ 78.7Ω/km	2.2Ω/M′ 7.2Ω/km	.340	8.64	120	66%	12.8	42.0	23.0	75.5
															For Plenum versions of 9842, see 82842.			
	9843	NEC: CM CEC: CM	3	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.1 34.5 67.0	3.2 15.7 30.5	24.0Ω/M′ 78.7Ω/km	2.3Ω/M′ 7.7Ω/km	.360	9.14	120	66%	12.8	42.0	23.0	75.5
	9844	NEC: CM CEC: CM	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	43.0 83.0	19.5 37.7	24.0Ω/M′ 78.7Ω/km	2.1Ω/M′ 6.9Ω/km	.390	9.91	120	66%	12.8	42.0	23.0	75.5
Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS 	**82841** new	NEC: CMP CEC: CMP FT6	1	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	16.0 28.0	7.3 12.7	24.0Ω/M′ 78.7Ω/km	3.1Ω/M′ 10.2Ω/km	.204	5.18	120	76%	12	39.4	22	72.2
300V RMS 	**82842** new	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	21.0 42.0	9.5 19.1	24.0Ω/M′ 78.7Ω/km	2.4Ω/M′ 7.9Ω/km	.273	6.93	120	76%	12	39.4	22	72.2
Plenum • Foam FEP Insulation • Red FEP Jacket																		
300V RMS 	**89841** new	NEC: CMP CEC: CMP FT6	1	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	15.5 29.0	7.0 13.2	24.0Ω/M′ 78.7Ω/km	3.1Ω/M′ 10.2Ω/km	.202	5.13	120	76%	12	39.4	22	72.2

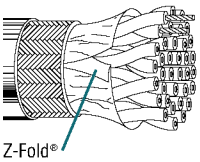
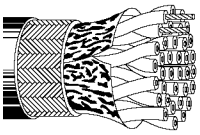
DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

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Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) • Tinned Copper • Multi-paired Cable with Overall 100% Beldfoil® + 65% Tinned Copper Braid Shield																		
Semi-rigid PVC Insulation • Chrome PVC Jacket																		
UL AWM Style 2464 (300V 80°C) CSA AWM I A	**8332**	NEC: CMG CEC: CMG FT4	2	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.6 18.5 37.0	2.1 8.4 16.8	24.0Ω/M′ 78.7Ω/km	5.4Ω/M′ 17.7Ω/km	.250	6.35	75	60%	30	98	50	164
 Z-Fold®	**8333**	NEC: CMG CEC: CMG FT4	3	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.5 22.5 44.0	2.5 10.3 20.1	24.0Ω/M′ 78.7Ω/km	6.6Ω/M′ 21.7Ω/km	.265	6.73	75	60%	30	98	50	164
	8334	NEC: CMG CEC: CMG FT4	4	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.0 24.5 49.0	2.7 11.1 22.3	24.0Ω/M′ 78.7Ω/km	4.5Ω/M′ 14.8Ω/km	.288	7.32	75	60%	30	98	50	164
	8335	NEC: CMG CEC: CMG FT4	5	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.6 28.5 57.0	3.0 13.0 25.9	24.0Ω/M′ 78.7Ω/km	4.6Ω/M′ 15.1Ω/km	.295	7.49	75	60%	30	98	50	164
	8336	NEC: CMG CEC: CMG FT4	6	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.5 30.5 62.0	3.0 13.9 28.2	24.0Ω/M′ 78.7Ω/km	4.7Ω/M′ 15.4Ω/km	.310	7.87	75	60%	30	98	50	164
	8337	NEC: CMG CEC: CMG FT4	7	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.8 32.0 65.0	3.1 14.5 29.5	24.0Ω/M′ 78.7Ω/km	4.7Ω/M′ 15.4Ω/km	.321	8.15	75	60%	30	98	50	164
	8340	NEC: CMG CEC: CMG FT4	10	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.1 45.5 90.0	4.1 20.7 40.9	24.0Ω/M′ 78.7Ω/km	3.5Ω/M′ 11.5Ω/km	.385	9.78	75	60%	30	98	50	164
	8342	NEC: CMG CEC: CMG FT4	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	11.0 55.0 109.0	5.0 25.0 49.5	24.0Ω/M′ 78.7Ω/km	3.6Ω/M′ 11.8Ω/km	.405	10.29	75	60%	30	98	50	164
	8345	NEC: CMG CEC: CMG FT4	15	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	61.5 123.0	28.0 55.9	24.0Ω/M′ 78.7Ω/km	3.2Ω/M′ 10.5Ω/km	.445	11.30	75	60%	30	98	50	164
UL AWM Style 2464 (300V 80°C)	**8348**	NEC: CMG CEC: CMG FT4	18	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	15.8 78.5 152.0	7.2 35.8 69.3	24.0Ω/M′ 78.7Ω/km	2.7Ω/M′ 8.9Ω/km	.480	12.19	75	60%	30	98	50	164
	**8355**	NEC: CMG CEC: CMG FT4	25	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	96.5 195.0	43.9 88.6	24.0Ω/M′ 78.7Ω/km	2.5Ω/M′ 8.2Ω/km	.550	13.97	75	60%	30	98	50	164

DCR = DC Resistance

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

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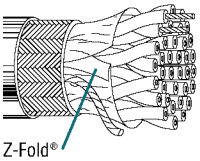
Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-422 Applications

24 AWG Stranded (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil® + 65% TC Braid Shield • 24 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2919
(30V 80°C)



Z-Fold®

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/Ft.	Nom. Capacitance * pF/m	Nom. Capacitance ** pF/Ft.	Nom. Capacitance ** pF/m
9829	NEC: CM CEC: CM	2	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.4 22.0 43.0	2.5 10.0 19.5	24.0Ω/M´ 78.7Ω/km	4.4Ω/M´ 14.4Ω/km	.291	7.39	100	66%	15.5	50.9	27.5	90.2
9830	NEC: CM CEC: CM	3	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	25.5 53.0	11.6 24.1	24.0Ω/M´ 78.7Ω/km	4.4Ω/M´ 14.4Ω/km	.305	7.74	100	66%	15.5	50.9	27.5	90.2
9831	NEC: CM CEC: CM	4	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.2 29.0 58.0	2.8 13.2 26.4	24.0Ω/M´ 78.7Ω/km	3.9Ω/M´ 12.8Ω/km	.330	8.38	100	66%	15.5	50.9	27.5	90.2
9832	NEC: CM CEC: CM	5	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.6 31.5 65.0	3.0 14.3 29.5	24.0Ω/M´ 78.7Ω/km	3.9Ω/M´ 12.8Ω/km	.338	8.59	100	66%	15.5	50.9	27.5	90.2
9839	NEC: CM CEC: CM	6	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	35.5 69.0	16.1 31.4	24.0Ω/M´ 78.7Ω/km	2.1Ω/M´ 6.9Ω/km	.364	9.25	100	66%	15.5	50.9	27.5	90.2
9833	NEC: CM CEC: CM	7	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	37.5 77.0	17.0 35.0	24.0Ω/M´ 78.7Ω/km	3.7Ω/M´ 12.1Ω/km	.370	9.40	100	66%	15.5	50.9	27.5	90.2
9834	NEC: CM CEC: CM	9	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	47.0 93.0	21.4 42.3	24.0Ω/M´ 78.7Ω/km	3.0Ω/M´ 9.8Ω/km	.419	10.64	100	66%	15.5	50.9	27.5	90.2
9835	NEC: CM CEC: CM	10	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	51.5 102.0	23.4 46.4	24.0Ω/M´ 78.7Ω/km	2.8Ω/M´ 9.2Ω/km	.451	11.46	100	66%	15.5	50.9	27.5	90.2
9836	NEC: CM CEC: CM	12	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	14.1 57.0 114.0	6.4 25.9 51.8	24.0Ω/M´ 78.7Ω/km	2.8Ω/M´ 9.2Ω/km	.464	11.79	100	66%	15.5	50.9	27.5	90.2
9837	NEC: CM CEC: CM	18	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	87.5 174.0	39.8 79.1	24.0Ω/M´ 78.7Ω/km	2.0Ω/M´ 6.6Ω/km	.567	14.40	100	66%	15.5	50.9	27.5	90.2
9838	NEC: CM CEC: CM	25	See Chart 5 (Tech Info Section)	500	152.4	113.0	51.4	24.0Ω/M´ 78.7Ω/km	1.9Ω/M´ 6.2Ω/km	.670	17.02	100	66%	15.5	50.9	27.5	90.2

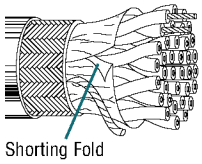
DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

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Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-422 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil® + 65% TC Braid Shield • 24 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)  Shorting Fold	**8102**	NEC: CM CEC: CM	2	See Chart 5 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	4.8 19.0 38.0 380.0	2.2 8.6 17.3 172.7	24.0Ω/M′ 78.7Ω/km	4.6Ω/M′ 15.1Ω/km	.270	6.86	100	78%	12.5	41	22	72.2
	8103	NEC: CM CEC: CM	3	See Chart 5 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	4.6 21.5 42.0 430.0	2.1 9.8 19.1 195.5	24.0Ω/M′ 78.7Ω/km	3.8Ω/M′ 12.5Ω/km	.283	7.19	100	78%	12.5	41	22	72.2
	8104	NEC: CM CEC: CM	4	See Chart 5 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	5.1 23.0 46.0 490.0	2.3 10.5 20.9 222.7	24.0Ω/M′ 78.7Ω/km	4.1Ω/M′ 13.5Ω/km	.302	7.67	100	78%	12.5	41	22	72.2
	8105	NEC: CM CEC: CM	5	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.8 28.0 53.0	2.6 12.7 24.1	24.0Ω/M′ 78.7Ω/km	4.2Ω/M′ 13.8Ω/km	.316	8.03	100	78%	12.5	41	22	72.2
	8106	NEC: CM CEC: CM	6	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.3 30.5 58.0	2.9 13.9 26.4	24.0Ω/M′ 78.7Ω/km	3.5Ω/M′ 11.5Ω/km	.341	8.66	100	78%	12.5	41	22	72.2
	8107	NEC: CM CEC: CM	7	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.8 33.0 63.0	3.1 15.0 28.6	24.0Ω/M′ 78.7Ω/km	3.5Ω/M′ 11.5Ω/km	.341	8.66	100	78%	12.5	41	22	72.2
	8108	NEC: CM CEC: CM	8	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.6 37.5 72.0	3.5 17.1 32.8	24.0Ω/M′ 78.7Ω/km	2.7Ω/M′ 8.9Ω/km	.370	9.40	100	78%	12.5	41	22	72.2
	8110	NEC: CM CEC: CM	10	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.9 45.5 90.0	4.5 20.7 40.9	24.0Ω/M′ 78.7Ω/km	2.4Ω/M′ 7.9Ω/km	.427	10.85	100	78%	12.5	41	22	72.2
	8112	NEC: CM CEC: CM	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	10.5 49.0 97.0	4.8 22.3 44.1	24.0Ω/M′ 78.7Ω/km	2.4Ω/M′ 7.9Ω/km	.440	11.18	100	78%	12.5	41	22	72.2
	8115	NEC: CM CEC: CM	15	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	63.5 116.0	28.9 52.7	24.0Ω/M′ 78.7Ω/km	2.6Ω/M′ 8.5Ω/km	.495	12.57	100	78%	12.5	41	22	72.2
	8118	NEC: CM CEC: CM	18	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	16.3 70.5 144.0	7.4 32.0 65.5	24.0Ω/M′ 78.7Ω/km	2.1Ω/M′ 6.9Ω/km	.537	13.64	100	78%	12.5	41	22	72.2
	8125	NEC: CM CEC: CM	25	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	22.4 98.0 191.0	10.2 44.5 86.8	24.0Ω/M′ 78.7Ω/km	2.0Ω/M′ 6.6Ω/km	.632	16.05	100	78%	12.5	41	22	72.2

DCR = DC Resistance • TC = Tinned Copper

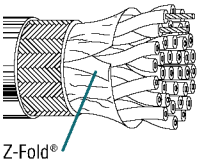
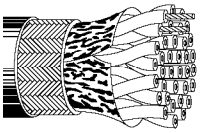
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**Capacitance between one conductor and other conductors connected to shield.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

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Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil® + 65% Tinned Copper Braid Shield																		
Semi-rigid PVC Insulation • Chrome PVC Jacket																		
UL AWM Style 2464 (300V 80°C)  Z-Fold®	**8302**	NEC: CMG CEC: CMG FT4	2	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.2 21.0 41.0	2.4 9.6 18.6	15.0Ω/M´ 49.2Ω/km	5.7Ω/M´ 18.7Ω/km	.260	6.60	70	60%	40	131	72	236
	8303	NEC: CMG CEC: CMG FT4	3	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.0 25.0 49.0	2.7 11.4 22.3	15.0Ω/M´ 49.2Ω/km	6.2Ω/M´ 20.3Ω/km	.270	6.86	70	60%	35	115	63	207
	8304	NEC: CMG CEC: CMG FT4	4	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.7 31.5 65.0	3.0 14.3 29.5	15.0Ω/M´ 49.2Ω/km	4.9Ω/M´ 16.1Ω/km	.320	8.13	70	60%	35	115	63	207
	8305	NEC: CMG CEC: CMG FT4	5	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.3 34.5 68.0	3.3 15.7 30.9	15.0Ω/M´ 49.2Ω/km	4.8Ω/M´ 15.7Ω/km	.322	8.18	70	60%	35	115	63	207
	8306	NEC: CMG CEC: CMG FT4	6	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.0 39.5 76.0	3.6 18.0 34.5	15.0Ω/M´ 49.2Ω/km	5.0Ω/M´ 16.4Ω/km	.348	8.84	70	60%	35	115	63	207
	8307	NEC: CMG CEC: CMG FT4	7	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.6 41.5 82.0	3.9 18.9 37.3	15.0Ω/M´ 49.2Ω/km	5.0Ω/M´ 16.4Ω/km	.348	8.84	70	60%	35	115	63	207
	8308	NEC: CMG CEC: CMG FT4	8	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	10.4 52.0 101.0	4.7 23.7 46.0	15.0Ω/M´ 49.2Ω/km	4.4Ω/M´ 14.4Ω/km	.384	9.75	70	60%	35	115	63	207
UL AWM Style 2464 (300V 80°C) 	**8310**	NEC: CMG CEC: CMG FT4	10	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	12.9 61.0 123.0	5.9 27.7 55.9	15.0Ω/M´ 49.2Ω/km	4.1Ω/M´ 13.4Ω/km	.440	11.18	70	60%	35	115	63	207
	8312	NEC: CMG CEC: CMG FT4	12.5 (12 pairs + 1 single)	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	14.6 72.0 140.0	6.7 32.8 63.8	15.0Ω/M´ 49.2Ω/km	4.2Ω/M´ 13.8Ω/km	.455	11.56	70	60%	35	115	63	207
	8315	NEC: CMG CEC: CMG FT4	15	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	17.3 85.5 167.0	7.9 39.0 76.1	15.0Ω/M´ 49.2Ω/km	3.8Ω/M´ 12.5Ω/km	.502	12.75	70	60%	35	115	63	207
	8318	NEC: CMG CEC: CMG FT4	18	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	19.6 97.0 196.0	8.9 44.1 89.1	15.0Ω/M´ 49.2Ω/km	3.0Ω/M´ 9.8Ω/km	.535	13.59	70	60%	35	115	63	207
	8325	NEC: CMG CEC: CMG FT4	25	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	25.1 126.0 246.0	11.4 57.4 112.1	15.0Ω/M´ 49.2Ω/km	2.9Ω/M´ 9.5Ω/km	.620	15.75	70	60%	35	115	63	207

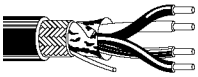
DCR = DC Resistance

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

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Overall Foil/Braid Shield

Computer P.O.S. Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
22 AWG Solid • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil® Shield + 90% TC Braid • 22 AWG Solid TC Drain Wire																		
Polyethylene Insulation • Black PVC Jacket																		
UL AWM Style 2582 (150V 60°C) 	**1268A**	NEC: CM CEC: CM	2	Red & Blue, Black & Yellow	1000	304.8	48.0	21.8	16.5Ω/M′ 54.1Ω/km	3.7Ω/M′ 12.1Ω/km	.270	6.86	100	66%	15.5	50.9	27.5	90.2
For Plenum version of 1268A, see 1269A.																		
Plenum • Solid FEP Insulation • Black FEP Jacket																		
300V RMS, Non-conduit 	**1269A**	NEC: MPP, CMP CEC: MPP, CMP FT6	2	Red & Blue, Black & Yellow	1000†	304.8	48.0	21.8	16.5Ω/M′ 54.1Ω/km	2.1Ω/M′ 6.9Ω/km	.240	6.10	100	69.5%	15.5	50.9	27.0	88.6
22 AWG Solid • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil + 58% TC Braid Shield • 22 AWG Solid TC Drain Wire																		
Polyethylene Insulation • Black PVC Jacket																		
UL AWM Style 2582 (150V 60°C) 	**9855**	NEC: CM CEC: CM	2	Red & Blue, Black & Yellow	U-500 500 1000 10000	U-152.4 152.4 304.8 3048.0	20.0 20.5 40.0 410.0	9.1 9.3 18.2 186.4	16.5Ω/M′ 54.1Ω/km	4.2Ω/M′ 13.8Ω/km	.270	6.86	100	66%	15.5	50.9	27.5	90.2
For Plenum version of 9855, see 89855.																		
22 AWG Solid • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil + 55% TC Braid Shield plus Polyester Tape • 22 AWG Solid TC Drain Wire																		
Plenum • Solid FEP Insulation • Black FEP Jacket																		
300V RMS, Non-conduit 	**89855**	NEC: MPP, CMP CEC: MPP, CMP FT6	2	1 Pair: Red & Blue 1 Pair: Black & Yellow	500† 1000†	152.4 304.8	24.0 42.0	10.9 19.1	16.5Ω/M′ 54.1Ω/km	4.9Ω/M′ 16.1Ω/km	.272	6.91	100	69.5%	15.5	50.9	27.0	88.6
22 AWG Solid • Bare Copper • Twisted Pairs • Overall 100% Beldfoil Shield + 58% TC Braid • 22 AWG Solid TC Drain Wire																		
Polyethylene Insulation • Black PVC Jacket																		
UL AWM Style 2919 (30V 80°C) 	**9696**	NEC: CM CEC: CM	2	1 Pair: Blue & White with Blue Stripe 1 Pair: Orange & White with Orange Stripe	500 1000	152.4 304.8	22.5 44.0	10.2 20.0	14.2Ω/M′ 46.6Ω/km	4.2Ω/M′ 13.8Ω/km	.290	7.37	100	66%	16.0	52.5	27.5	90.2
For Plenum version of 9696, see 89696.																		
22 AWG Solid • Bare Copper • Twisted Pairs • Overall 100% Beldfoil Shield + 55% TC Braid • 22 AWG Solid TC Drain Wire																		
Plenum • Solid FEP Insulation • Black FEP Jacket																		
300V RMS, Non-conduit 	**89696**	NEC: MPP, CMP CEC: MPP, CMP FT6	2	1 Pair: Blue & White with Blue Stripe 1 Pair: Orange & White with Orange Stripe	500† 1000†	152.4 304.8	25.0 47.0	11.4 21.4	16.5Ω/M′ 54.1Ω/km	4.2Ω/M′ 13.8Ω/km	.262	6.65	100	69.5%	15.5	50.9	27.0	88.6

DCR = DC Resistance • TC = Tinned Copper

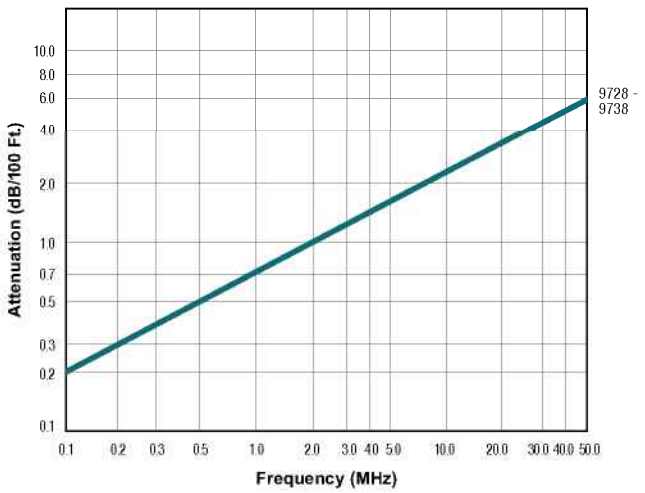
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools are one piece, but length may vary ±10% from length shown.

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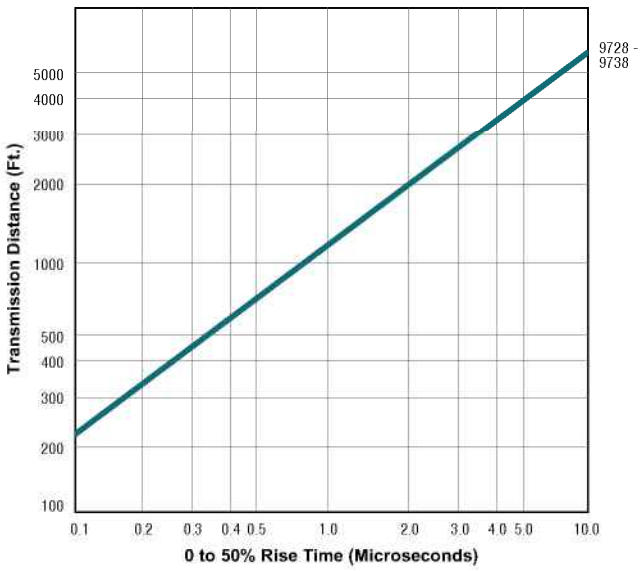
Individually Shielded

Cable Characteristics

Attenuation

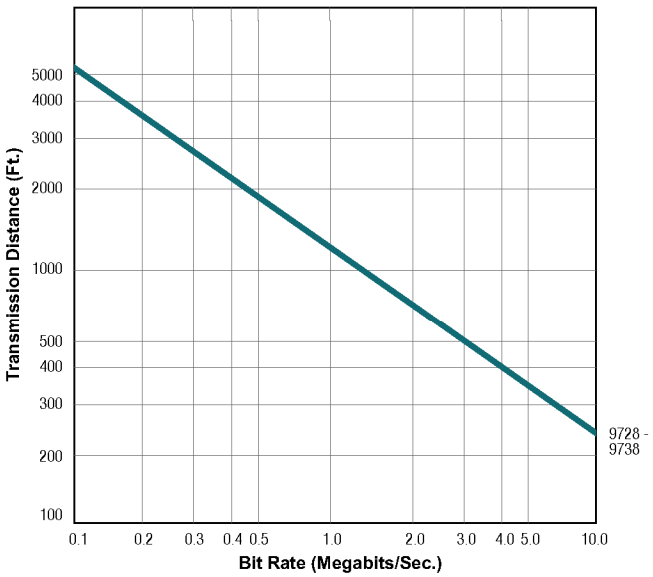


Rise Time



Cables are terminated in their characteristic impedance. Signal source electrical characteristics: 50 ohms and 10% to 90% rise time less than 5 nanoseconds.

Bit Rate

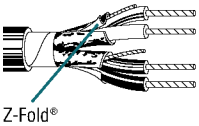


Charts assume 5% peak-to-peak time jitter as determined by eye pattern measurements of pseudorandom NRZ code.

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Individually Shielded

Low-Capacitance 100 Ohm Computer Cables for EIA RS-422 and Digital Audio Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
24 AWG Stranded (7x32) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 24 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2493 (300V 60°C)  Z-Fold®	**9729**	NEC: CM CEC: CM	2	See Chart 3 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	4.3 20.5 39.0 390.0	2.0 9.3 17.7 177.8	24.0Ω/M´ 78.7Ω/km	18.0Ω/M´ 59.1Ω/km	.317	8.05	100	78%	12.5	41.0	23.2	76.1
															For Plenum version of 9729, see 89729 or 82729.			
	9730	NEC: CM CEC: CM	3	See Chart 3 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	5.1 24.5 46.0 520.0	2.3 11.1 20.9 236.4	24.0Ω/M´ 78.7Ω/km	18.0Ω/M´ 59.1Ω/km	.334	8.48	100	78%	12.5	41.0	23.2	76.1
															For Plenum version of 9730, see 89730.			
	9728	NEC: CM CEC: CM	4	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.0 28.5 55.0	2.7 13.0 25.0	24.0Ω/M´ 78.7Ω/km	18.0Ω/M´ 59.1Ω/km	.363	9.22	100	78%	12.5	41.0	23.2	76.1
															For Plenum version of 9728, see 89728.			
	9731	NEC: CM CEC: CM	6	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	11.1 42.0 83.0	5.0 19.1 37.7	24.0Ω/M´ 78.7Ω/km	18.0Ω/M´ 59.1Ω/km	.421	10.69	100	78%	12.5	41.0	23.2	76.1
															For Plenum version of 9731, see 89731.			
	9732	NEC: CM CEC: CM	9	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	11.9 58.0 108.0	5.4 26.4 49.1	24.0Ω/M´ 78.7Ω/km	18.0Ω/M´ 59.1Ω/km	.488	12.40	100	78%	12.5	41.0	23.2	76.1
															For Plenum version of 9732, see 89732.			
	9733	NEC: CM CEC: CM	11	See Chart 3 (Tech Info Section)	500	152.4	75.0	34.1	24.0Ω/M´ 78.7Ω/km	18.0Ω/M´ 59.1Ω/km	.575	14.61	100	78%	12.5	41.0	23.2	76.1
	9734	NEC: CM CEC: CM	12	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	79.5 154.0	36.1 70.0	24.0Ω/M´ 78.7Ω/km	18.0Ω/M´ 59.1Ω/km	.575	14.61	100	78%	12.5	41.0	23.2	76.1
	9735	NEC: CM CEC: CM	15	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	95.0 185.0	43.2 84.1	24.0Ω/M´ 78.7Ω/km	18.0Ω/M´ 59.1Ω/km	.639	16.23	100	78%	12.5	41.0	23.2	76.1
	9736	NEC: CM CEC: CM	17	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	103.5 210.0	47.0 95.5	24.0Ω/M´ 78.7Ω/km	18.0Ω/M´ 59.1Ω/km	.671	17.04	100	78%	12.5	41.0	23.2	76.1
	9737	NEC: CM CEC: CM	19	See Chart 3 (Tech Info Section)	1000	304.8	231.0	105.0	24.0Ω/M´ 78.7Ω/km	18.0Ω/M´ 59.1Ω/km	.671	17.04	100	78%	12.5	41.0	23.2	76.1
	9738	NEC: CM CEC: CM	27	See Chart 3 (Tech Info Section)	1000	304.8	334.0	151.8	24.0Ω/M´ 78.7Ω/km	18.0Ω/M´ 59.1Ω/km	.797	20.24	100	78%	12.5	41.0	23.2	76.1

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

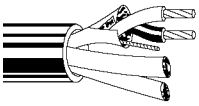
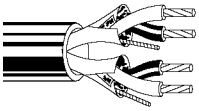
See Attenuation, Rise Time and Bit Rate Data for this series on page 5.34.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

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Individually Shielded

Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422, and Digital Audio Applications Plenum-Rated

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 24 AWG Stranded TC Drain Wire																		
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																		
300V RMS, Non-conduit 	**89729**	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	18.5 31.0	8.4 14.1	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.261	6.63	100	78%	13.5	44	22.5	73.8
	89730	NEC: CMP CEC: CMP FT6	3	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	23.0 40.0	10.5 18.2	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.278	7.06	100	78%	13.5	44	22.5	73.8
	89728	NEC: CMP CEC: CMP FT6	4	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	26.5 50.0	12.0 22.7	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.307	7.80	100	78%	13.5	44	22.5	73.8
	89731	NEC: CMP CEC: CMP FT6	6	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	35.0 71.0	15.9 32.3	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.361	9.17	100	78%	13.5	44	22.5	73.8
	89732	NEC: CMP CEC: CMP FT6	9	See Chart 5 (Tech Info Section)	1000†	304.8	106.0	48.2	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.429	10.90	100	78%	13.5	44	22.5	73.8
Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS, Non-conduit 	**82729**	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	U-1000 1000†	U-304.8 304.8	27.0 28.0	12.3 12.7	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.255	6.48	100	78%	13.5	44	22.5	73.8

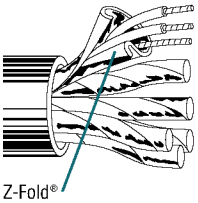
DCR = DC Resistance • TC = Tinned Copper

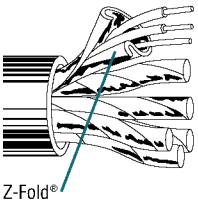
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools are one piece, but length may vary ±10% from length shown.

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Individually Shielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
24 AWG Stranded (7x32) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 24 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)  Z-Fold®	**9990**	NEC: CM CEC: CM	3	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	18.0 36.0	8.2 16.4	24.0Ω/M′ 78.7Ω/km	18.0Ω/M′ 59.1Ω/km	.255	6.48	60	66%	25	82	47	154
	9991	NEC: CM CEC: CM	6	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.7 32.0 62.0	3.1 14.6 28.3	24.0Ω/M′ 78.7Ω/km	18.0Ω/M′ 59.1Ω/km	.330	8.38	60	66%	25	82	47	154
	9992	NEC: CM CEC: CM	9	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.8 44.0 86.0	4.0 20.0 39.1	24.0Ω/M′ 78.7Ω/km	18.0Ω/M′ 59.1Ω/km	.383	9.73	60	66%	25	82	47	154
	9993	NEC: CM CEC: CM	12	See Chart 3 (Tech Info Section)	100 1000	30.5 304.8	11.5 107.0	5.2 48.6	24.0Ω/M′ 78.7Ω/km	18.0Ω/M′ 59.1Ω/km	.428	10.87	60	66%	25	82	47	154
	9995	NEC: CM CEC: CM	25	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	23.2 116.0 228.0	10.5 52.7 103.6	24.0Ω/M′ 78.7Ω/km	18.0Ω/M′ 59.1Ω/km	.636	16.15	60	66%	25	82	47	154

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm	Nominal Capacitance * pF/ Ft.	Nominal Capacitance * pF/ m	Nominal Capacitance ** pF/ Ft.	Nominal Capacitance ** pF/ m
22 AWG Solid Conductors • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil • 22 AWG Solid TC Drain Wire																		
PVC Insulation • Overall Chrome PVC Jacket																		
UL AWM Style 2464 (300V 80°C)  Z-Fold®	**8767**	NEC: MPG, CMG CEC: MPG, CMG FT4	3	See Chart 3 (Tech Info Section)	U-500 500 1000	U-152.4 152.4 304.8	24.0 24.5 49.0	10.9 11.1 22.3	.013	.33	.037	.94	.279	7.10	40	131	77	253
	8768	NEC: MPG, CMG CEC: MPG, CMG FT4	6	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	46.5 92.0	21.1 41.8	.013	.33	.037	.94	.379	9.60	40	131	77	253
	8764	NEC MPG, CMG CEC: MPG, CMG FT4	9	See Chart 3 (Tech Info Section)	1000	304.8	122.0	55.5	.013	.33	.040	1.02	.425	10.80	40	131	77	253
	8765	NEC MPG, CMG CEC: MPG, CMG FT4	11	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	76.5 149.0	34.8 67.7	.013	.33	.040	1.02	.470	11.90	40	131	77	253
	8766	NEC: MPG, CMG CEC: MPG, CMG FT4	15	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	101.5 196.0	46.1 89.1	.013	.33	.045	1.14	.525	13.30	40	131	77	253

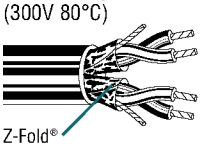
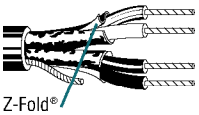
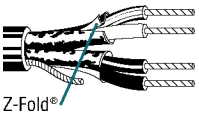
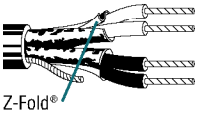
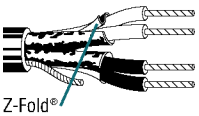
DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

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Individually Shielded

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
22 AWG Stranded (7x30) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 22 AWG Stranded TC Drain Wire																		
Semi-rigid PVC Insulation • Pale Fawn Beige PVC Jacket (Shielded Pairs Parallel under Jacket)																		
UL AWM Style 2464 (300V 80°C)	**9406**	NEC: CMG CEC: CMG FT4	2	Black & White, Black & Yellow	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	4.2 16.5 17.0 33.0 33.0	1.9 7.5 7.7 15.0 15.0	15.0Ω/M′ 49.2Ω/km	13.0Ω/M′ 42.7Ω/km	.173 x .280	4.39 x 7.11	50	60%	50	164	95	312
 Z-Fold®																		
22 AWG Stranded (7x30) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil • 24 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
300V RMS 60°C	**8723**	NEC: CM CEC: CM	2	Red & Black, Green & White	100 U-500 500 U-1000 1000 1640 U-2000 2000 3280 5000 10000	30.5 U-152.4 152.4 U-304.8 304.8 499.9 U-609.6 609.6 999.7 1524.0 3048.0	2.3 10.5 10.0 20.0 20.0 32.8 40.0 40.0 65.6 95.0 200.0	1.0 4.8 4.5 9.1 9.1 14.9 18.2 18.2 29.8 43.2 90.9	15.0Ω/M′ 49.2Ω/km	16.6Ω/M′ 54.5Ω/km	.168	4.27	45	66%	35	115	62	203
 Z-Fold®																		
For Plenum versions of 8723, see 88723, 87723 or 82723.																		
Plenum • Halar® Insulation • Natural Flamarrest® Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
300V RMS, Non-conduit	**82723**	NEC: CMP CEC: CMP FT6	2	Red & Black, Green & White	U-500† U-1000 1000† U-2000†	U-152.4 U-304.8 304.8 U-609.6	10.0 19.0 20.0 38.0	4.5 8.6 9.1 17.3	14.7Ω/M′ 48.2Ω/km	16.6Ω/M′ 54.5Ω/km	.148	3.76	36	62%	43	141	75	246
 Z-Fold®																		
Plenum • FEP Insulation • Red FEP Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
300V RMS, Non-conduit	**88723**	NEC: CMP CEC: CMP FT6	2	Red & Black, Green & White	100 500 1000	30.5 152.4 304.8	3.4 11.0 21.0	1.5 5.0 9.5	16.0Ω/M′ 52.5Ω/km	14.7Ω/M′ 48.2Ω/km	.148	3.76	40	69%	35	115	67	220
 Z-Fold®																		
Plenum • FEP Insulation • Red Fluorocopolymer Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
300V RMS, Non-conduit	**87723**	NEC: CMP CEC: CMP FT6	2	Red & Black, Green & White	500† 1000†	152.4 304.8	11.0 20.0	5.0 9.1	16.0Ω/M′ 52.5Ω/km	14.7Ω/M′ 48.2Ω/km	.148	3.76	40	69%	35	115	67	220
 Z-Fold®																		

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length show.

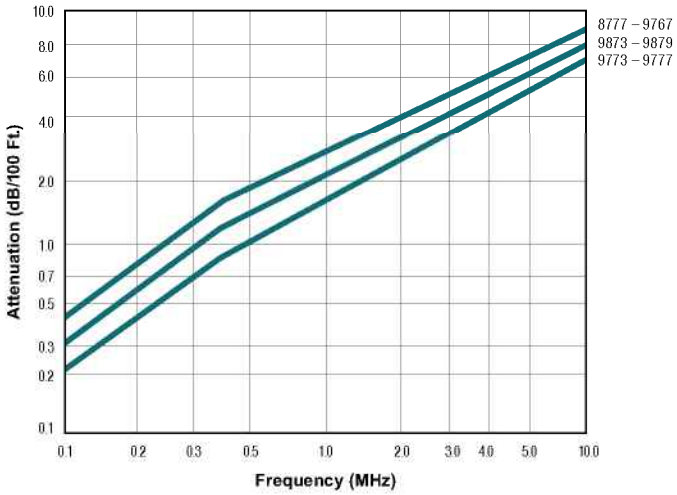
Halar is an Ausimont Corporation trademark.

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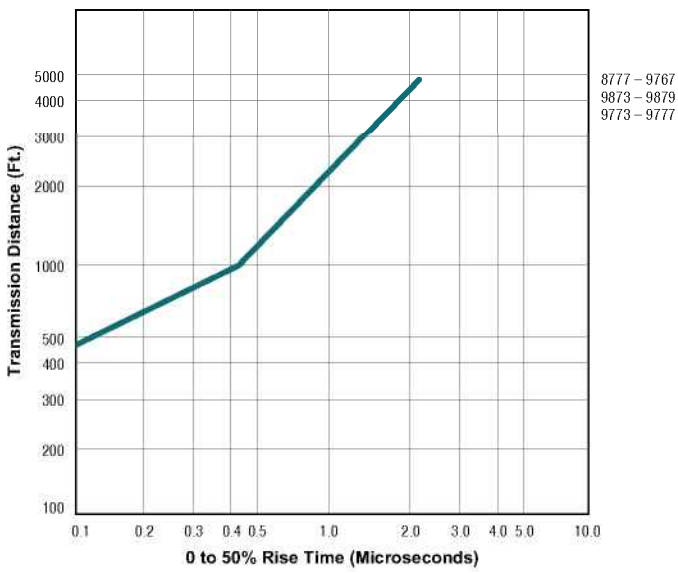
Individually Shielded

Cable Characteristics

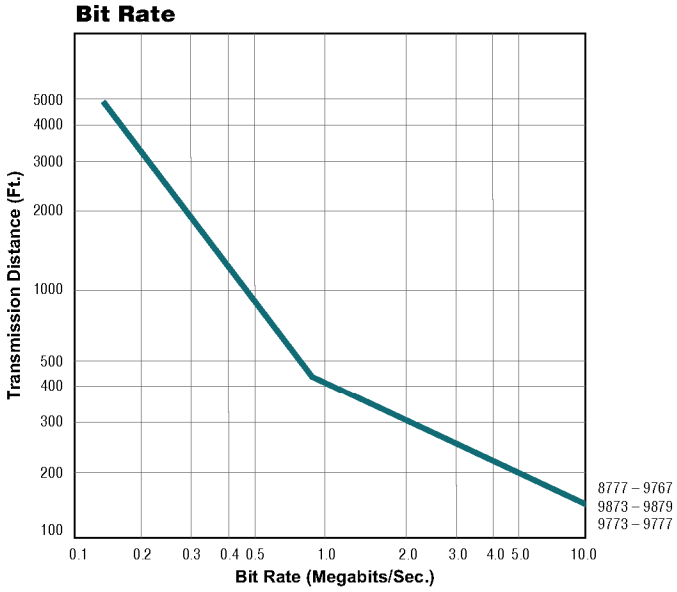
Attenuation



Rise Time



Bit Rate



Recommended for audio, pulse, and radio frequency applications requiring superior circuit isolation.

Insulation resistance between shields:
100 megohms/M′ nom.

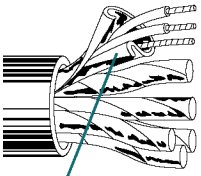
Capacitance between adjacent shields:
115 pf/ft. nom.

Working voltage between adjacent shields:
50 volts max.

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Individually Shielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Stranded (7x30) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 22 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)  Z-Fold®	**8777**	NEC: CM CEC: CM	3	See Chart 3 (Tech Info Section)	100	30.5	5.3	2.4	15.0Ω/M´ 49.2Ω/km	10.6Ω/M´ 34.8Ω/km	.273	6.93	50	66%	30	98	55	180
					250	76.2	11.3	5.1										
					U-500	U-152.4	21.0	9.5										
					500	152.4	21.0	9.5										
					U-1000	U-304.8	41.0	18.6										
					1000	304.8	42.0	19.1										
					1640	499.9	67.2	30.6										
					3280	999.7	137.8	62.6										
					5000	1524.0	210.0	95.5										
					10000	3048.0	450.0	204.5										
													For Plenum versions of 8777, see 88777, 87777 or 82777.					
	8778	NEC: CM CEC: CM	6	See Chart 3 (Tech Info Section)	100	30.5	8.4	3.8	15.0Ω/M´ 49.2Ω/km	10.6Ω/M´ 34.8Ω/km	.362	9.19	50	66%	30	98	55	180
					250	76.2	20.8	9.4										
					500	152.4	43.0	19.5					For Plenum versions of 8778, see 88778, 87778 or 82778.					
					1000	304.8	83.0	37.7										
	8774	NEC: CM CEC: CM	9	See Chart 3 (Tech Info Section)	100	30.5	11.6	5.3	15.0Ω/M´ 49.2Ω/km	10.6Ω/M´ 34.8Ω/km	.417	10.59	50	66%	30	98	55	180
					250	76.2	28.8	13.1										
					500	152.4	58.0	26.4										
					1000	304.8	115.0	52.3										
	8775	NEC: CM CEC: CM	11	See Chart 3 (Tech Info Section)	100	30.5	14.1	6.4	15.0Ω/M´ 49.2Ω/km	10.6Ω/M´ 34.8Ω/km	.464	11.79	50	66%	30	98	55	180
					500	152.4	67.0	30.5										
					1000	304.8	133.0	60.5										
	9768	NEC: CM CEC: CM	12	See Chart 3 (Tech Info Section)	100	30.5	14.9	6.8	15.0Ω/M´ 49.2Ω/km	10.6Ω/M´ 34.8Ω/km	.464	11.79	50	66%	30	98	55	180
					250	76.2	35.5	16.1										
					500	152.4	73.5	33.4										
					1000	304.8	143.0	65.0										
	8776	NEC: CM CEC: CM	15	See Chart 3 (Tech Info Section)	100	30.5	19.7	9.0	15.0Ω/M´ 49.2Ω/km	10.6Ω/M´ 34.8Ω/km	.548	13.92	50	66%	30	98	55	180
					250	76.2	49.5	22.5										
					500	152.4	98.0	44.5										
					1000	304.8	197.0	89.5										
	9769	NEC: CM CEC: CM	17	See Chart 3 (Tech Info Section)	100	30.5	22.0	10.0	15.0Ω/M´ 49.2Ω/km	10.6Ω/M´ 34.8Ω/km	.577	14.66	50	66%	30	98	55	180
					500	152.4	109.0	49.5										
					1000	304.8	215.0	97.7										
	8769	NEC: CM CEC: CM	19	See Chart 3 (Tech Info Section)	100	30.5	25.0	11.4	15.0Ω/M´ 49.2Ω/km	10.6Ω/M´ 34.8Ω/km	.603	15.32	50	66%	30	98	55	180
					500	152.4	123.5	56.1										
					1000	304.8	245.0	111.4										
	8773	NEC: CM CEC: CM	27	See Chart 3 (Tech Info Section)	100	30.5	33.8	15.4	15.0Ω/M´ 49.2Ω/km	10.6Ω/M´ 34.8Ω/km	.709	18.00	50	66%	30	98	55	180
					250†	76.2	85.0	38.6										
					500†	152.4	166.0	75.5										
					1000†	304.8	346.0	157.3										
	9767	NEC: CM CEC: CM	37	See Chart 3 (Tech Info Section)	500†	152.4	224.0	101.8	15.0Ω/M´ 49.2Ω/km	10.6Ω/M´ 34.8Ω/km	.800	20.32	50	66%	30	98	55	180
					1000†	304.8	481.0	218.6										

DCR = DC Resistance • TC = Tinned Copper

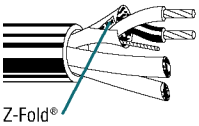
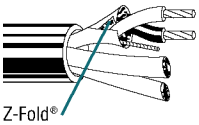
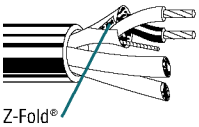
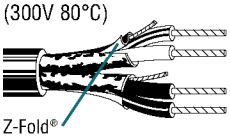
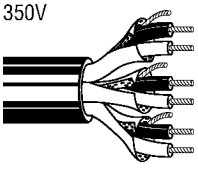
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools are one piece, but length may vary -0 to +20% from length shown.

See Attenuation, Rise Time and Bit Rate Data for this series on page 5.39.

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Individually Shielded

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
22 AWG Stranded (7x30) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 22 AWG Stranded TC Drain Wire																		
Plenum • Halar® Insulation • Natural Flamarrest® Jacket																		
300V RMS, Non-conduit  Z-Fold®	**82777**	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	U-500† U-1000 1000†	U-152.4 U-304.8 304.8	19.0 38.0 39.0	8.6 17.3 17.7	14.7Ω/M´ 48.2Ω/km	11.3Ω/M´ 37.1Ω/km	.234	5.94	46	62%	35	115	76	249
	82778	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	1000†	304.8	67.0	30.5	14.7Ω/M´ 48.2Ω/km	11.3Ω/M´ 37.1Ω/km	.330	8.38	46	62%	35	115	76	249
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS, Non-conduit  Z-Fold®	**88777**	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	6.0 21.0 42.0	2.7 9.5 19.1	14.7Ω/M´ 48.2Ω/km	11.3Ω/M´ 37.1Ω/km	.234	5.94	50	69%	31	102	67	220
	88778	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	8.8 40.0 75.0	4.0 18.2 34.1	14.7Ω/M´ 48.2Ω/km	11.3Ω/M´ 37.1Ω/km	.309	7.85	50	69%	31	102	67	220
Plenum • FEP Insulation • Red Fluorocopolymer Jacket																		
300V RMS, Non-conduit  Z-Fold®	**87777**	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	500† 1000†	152.4 304.8	20.0 40.0	9.1 18.2	14.7Ω/M´ 48.2Ω/km	11.3Ω/M´ 37.1Ω/km	.234	5.94	50	69%	31	102	67	220
	87778	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	500† 1000†	152.4 304.8	37.5 73.0	17.0 33.2	14.7Ω/M´ 48.2Ω/km	11.3Ω/M´ 37.1Ω/km	.309	7.85	50	69%	31	102	67	220
20 AWG Stranded (7x28) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil • 22 AWG Stranded TC Drain Wire																		
Semi-rigid PVC Insulation • Overall Chrome PVC Jacket																		
UL AWM Style 2464 (300V 80°C)  Z-Fold®	**9402**	NEC: CMG CEC: CMG FT4	2	Red & Black, Green & White	U-500 1000	U-152.4 304.8	27.0 53.0	12.3 24.1	—	—	.300 Insulation Thickness .010 Jacket Thickness .041	7.62 .25 1.04	—	—	55	180	95	312
20 AWG Stranded (10x30) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil • 22 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Black High-density Polyethylene Jacket																		
Direct Burial 350V 	**9883**		3	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	28.0 56.0	12.8 25.5	6.4Ω/M´ 21.0Ω/km	8.3Ω/M´ 27.2Ω/km	.340	8.64	50	66%	30	98	55	180
	9886		6	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	56.5 109.0	25.8 49.7	6.4Ω/M´ 21.0Ω/km	8.3Ω/M´ 27.2Ω/km	.455	11.56	50	66%	30	98	55	180

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length show.

Halar is an Ausimont Corporation trademark.

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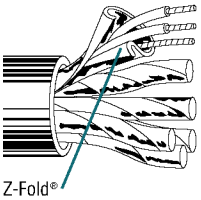
Individually Shielded

Audio, Control and Instrumentation Cables

20 AWG Stranded (7x28) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 22 AWG Stranded TC Drain Wire

Polyethylene Insulation • Overall Chrome PVC Jacket

UL AWM Style 2919 (30V 80°C)



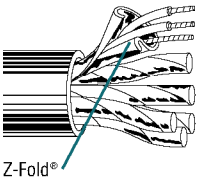
Z-Fold®

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
	9873	NEC:	3	See	100	30.5	7.0	3.2	10.5Ω/M′	14.0Ω/M′	.341	8.66	50	66%	30	98	55	180
		CM		Chart 3	250	76.2	17.3	7.8	34.4Ω/km	45.9Ω/km								
		CEC:		(Tech Info	500	152.4	33.5	15.2										
		CM		Section)	1000	304.8	66.0	30.0										
	9874	NEC:	6	See	100	30.5	13.1	6.0	10.5Ω/M′	11.3Ω/M′	.445	11.30	50	66%	30	98	55	180
		CM		Chart 3	250	76.2	31.0	14.1	34.4Ω/km	37.1Ω/km								
		CEC:		(Tech Info	500	152.4	62.5	28.4										
		CM		Section)	1000	304.8	125.0	56.8										
	9875	NEC:	9	See	100	30.5	19.7	9.0	10.5Ω/M′	11.3Ω/M′	.555	14.10	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	97.5	44.3	34.4Ω/km	37.1Ω/km								
		CEC:		(Tech Info	1000	304.8	188.0	85.5										
		CM		Section)														
	9876	NEC:	11	See	1000	304.8	220.0	100.0	10.5Ω/M′	11.3Ω/M′	.600	15.24	50	66%	30	98	55	180
		CM		Chart 3					34.4Ω/km	37.1Ω/km								
		CEC:		(Tech Info														
		CM		Section)														
	9877	NEC:	12	See	100	30.5	24.1	11.0	10.5Ω/M′	11.3Ω/M′	.617	15.67	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	119.0	54.1	34.4Ω/km	37.1Ω/km								
		CEC:		(Tech Info	1000	304.8	237.0	107.7										
		CM		Section)														
	9879	NEC:	15	See	500	152.4	146.0	66.4	10.5Ω/M′	11.3Ω/M′	.689	17.50	50	66%	30	98	55	180
		CM		Chart 3	1000	304.8	296.0	134.5	34.4Ω/km	37.1Ω/km								
		CEC:		(Tech Info														
		CM		Section)														

18 AWG Stranded (19x30) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil • 20 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2919 (30V 80°C)



Z-Fold®

	9773	NEC:	3	See	100	30.5	9.4	4.3	6.4Ω/M′	8.3Ω/M′	.404	10.26	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	45.5	20.7	21.0Ω/km	27.2Ω/km								
		CEC:		(Tech Info	1000	304.8	93.0	42.3										
		CM		Section)														
	9774	NEC:	6	See	100	30.5	19.4	8.8	6.4Ω/M′	8.3Ω/M′	.560	14.22	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	95.5	43.4	21.0Ω/km	27.2Ω/km								
		CEC:		(Tech Info	1000	304.8	189.0	85.9										
		CM		Section)														
	9775	NEC:	9	See	100	30.5	26.6	12.1	6.4Ω/M′	8.3Ω/M′	.655	16.64	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	132.0	60.0	21.0Ω/km	27.2Ω/km								
		CEC:		(Tech Info	1000	304.8	260.0	118.2										
		CM		Section)														
	9776	NEC:	12	See	100	30.5	32.6	14.8	6.4Ω/M′	8.3Ω/M′	.735	18.67	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	171.5	78.0	21.0Ω/km	27.2Ω/km								
		CEC:		(Tech Info	1000	304.8	328.0	149.1										
		CM		Section)														
	9777	NEC:	15	See	100	30.5	43.5	19.8	6.4Ω/M′	8.3Ω/M′	.819	20.8	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	209.0	95.0	21.0Ω/km	27.2Ω/km								
		CEC:		(Tech Info	1000	304.8	451.0	205.0										
		CM		Section)														

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

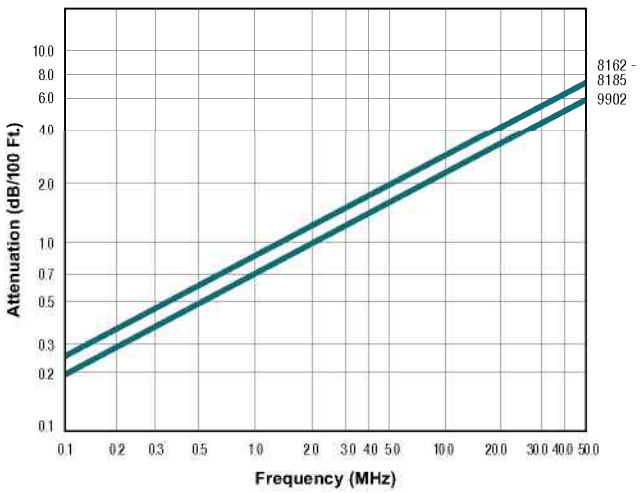
See Attenuation, Rise Time and Bit Rate data for this series on page 5.39.

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Individually Shielded Pairs with Overall Foil/Braid Shield

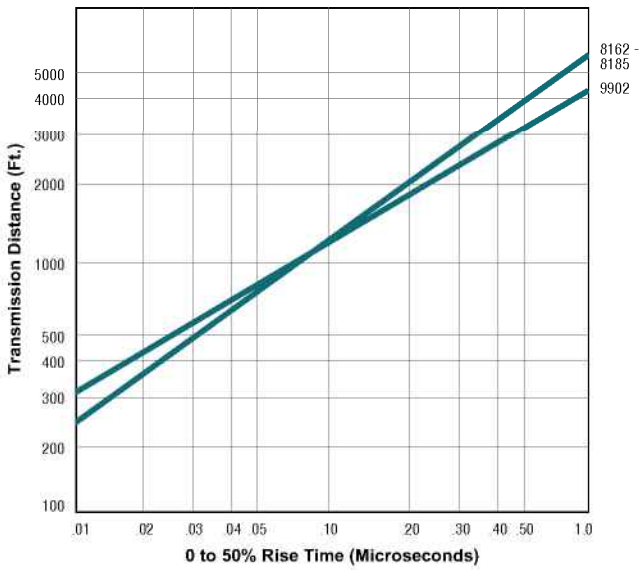
Cable Characteristics

Attenuation



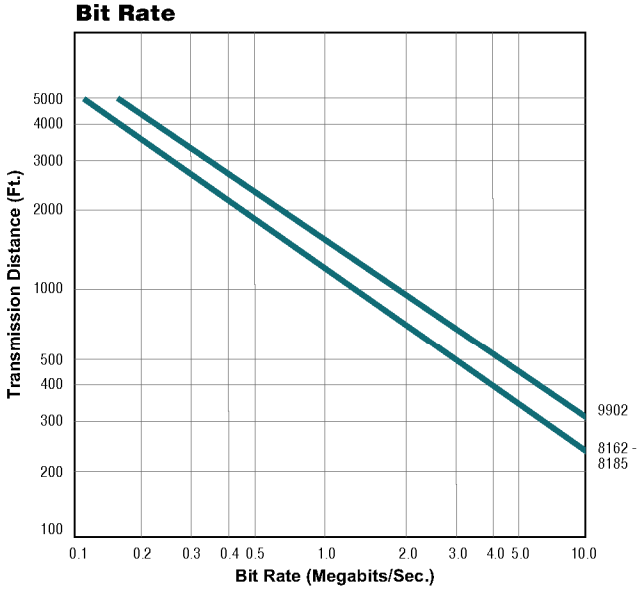
Note: 9902 on page 11.18 in Networking Section

Rise Time



Cables are terminated in their characteristic impedance. Signal source electrical characteristics: 50 ohms and 10% to 90% rise time less than 5 nanoseconds.

Bit Rate



Charts assume 5% peak-to-peak time jitter as determined by eye pattern measurements of pseudorandom NRZ code.

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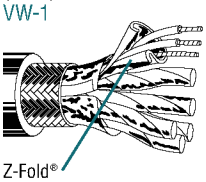
Individually Shielded Pairs with Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422 and Digital Audio Applications

24 AWG Stranded (7x32) • TC • Twisted Pairs Individually Beldfoil® Shielded + Overall 100% Beldfoil + 65% TC Braid Shield • Drain Wire▲

Datalene® Insulation • Chrome PVC Jacket

UL AWM Style 2493
(60°C)
VW-1



Z-Fold®

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
	8162	NEC: CM CEC: CM	2	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.2 30.0 57.0	2.8 13.6 25.9	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 4.3Ω/M′ 14.1Ω/km	.343	8.71	100	78%	12.5	41	22	72.2
	8163	NEC: CM CEC: CM	3	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.0 34.0 66.0	3.2 15.5 30.0	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 4.4Ω/M′ 14.4Ω/km	.359	9.12	100	78%	12.5	41	22	72.2
	8164	NEC: CM CEC: CM	4	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.2 39.5 79.0	3.7 18.0 35.9	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 3.2Ω/M′ 10.5Ω/km	.388	9.86	100	78%	12.5	41	22	72.2
	8165	NEC: CM CEC: CM	5	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.0 45.0 89.0	4.1 20.5 40.5	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 3.4Ω/M′ 11.2Ω/km	.413	10.49	100	78%	12.5	41	22	72.2
	8166	NEC: CM CEC: CM	6	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	12.7 50.0 99.0	5.8 22.7 45.0	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 2.8Ω/M′ 9.2Ω/km	.446	11.33	100	78%	12.5	41	22	72.2
	8167	NEC: CM CEC: CM	7	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	52.5 104.0	23.9 47.3	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 2.8Ω/M′ 9.2Ω/km	.446	11.33	100	78%	12.5	41	22	72.2

▲24 AWG stranded TC drain wire

DCR = DC Resistance • TC = Tinned Copper

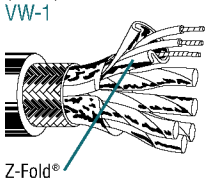
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

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Individually Shielded Pairs with Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422 and Digital Audio Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) • TC • Twisted Pairs Individually Beldfoil® Shielded + Overall 100% Beldfoil + 65% TC Braid Shield • Drain Wire▲																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2493 (60°C) VW-1  Z-Fold®	**8168**	NEC: CM CEC: CM	8	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	12.5 61.5 115.0	5.7 28.0 52.3	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 3.0Ω/M′ 9.8Ω/km	.479	12.17	100	78%	12.5	41	22	72.2
	8170	NEC: CM CEC: CM	10	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	19.7 83.0 164.0	9.0 37.7 74.5	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 2.7Ω/M′ 8.9Ω/km	.584	14.83	100	78%	12.5	41	22	72.2
	8175	NEC: CM CEC: CM	15	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	24.3 107.5 210.0	11.0 48.9 95.5	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 2.5Ω/M′ 8.2Ω/km	.665	16.89	100	78%	12.5	41	22	72.2
	8178	NEC: CM CEC: CM	18	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	26.3 117.0 238.0	12.0 53.2 108.2	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 2.6Ω/M′ 8.5Ω/km	.686	17.42	100	78%	12.5	41	22	72.2
	8185	NEC: CM CEC: CM	25	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	34.0 160.5 356.0	15.5 73.0 161.8	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 2.4Ω/M′ 7.9Ω/km	.822	20.88	100	78%	12.5	41	22	72.2

▲24 AWG stranded TC drain wire

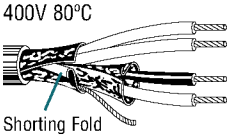
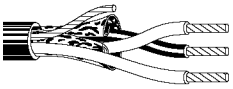
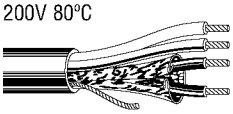
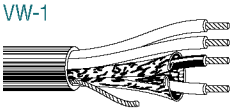
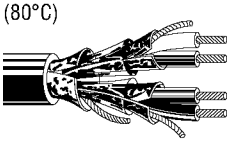
DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

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Combination Shields

Special Audio, Communication and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
25 AWG Stranded Conductors (7x33) • Tinned Copper • Overall 100% Beldfoil® Shield Coverage • 25 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
400V 80°C	**8434**		2	Shielded: Red & Black	100	30.5	2.1	1.0	.013	.33	.020	.51	.165	4.19	25	82	40	131
 Shorting Fold					500	152.4	7.0	3.2										
				Unshielded: Green & White	U-1000	U-304.8	13.0	5.9										
					1000	304.8	14.0	6.4										
Red/Black pair 100% Beldfoil shielded with drain wire. 3 copper, 4 copper-covered steel strands in each conductor.																		
22 AWG Stranded Conductors (7x30) • Tinned Copper • One Pair 100% Beldfoil Shielded • Stranded Tinned Copper Drain Wire																		
PVC Insulation • Chrome PVC Jacket (Pair and Single Cabled)																		
300V RMS 90°C	**9685**	NEC: CM	1.5 (1 pair + 1 single)	Shielded: Black & White	U-1000	U-304.8	24.0	10.9	.013	.33	.032	.81	.199	5.05	60	197	99	325
				Unshielded: Brown														
Meets NEC Article 800 22 AWG drain wire																		
Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
200V 80°C	**8730**†		2	Shielded: Red & Black	U-1000	U-304.8	25.0	11.4	.008	.20	.030	.76	.205	5.21	34	111	67	220
					1000	304.8	25.0	11.4										
				Unshielded: Green & White														
24 AWG drain wire																		
300V 80°C VW-1	**8724**†	NEC: CM CEC: CM	2	Shielded: Red & Black	U-1000	U-304.8	21.0	9.5	.008	.20	.019	.48	.165	4.19	34	112	67	220
					1000	304.8	21.0	9.5										
				Unshielded: Green & White														
24 AWG drain wire																		
22 AWG Stranded Conductors (7x30) • Tinned Copper • Cabled in Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wires																		
Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
UL AWM Style 2717 (80°C)	**8728**	NEC: CM CEC: CM	2	Black & Red	U-500	U-152.4	15.0	6.8	.010	.25	.028	.71	.215	5.46	35	115	62	203
					500	152.4	15.5	7.0										
				Green & White	U-1000	U-304.8	30.0	13.6										
					1000	304.8	30.0	13.6										
Meets NEC Article 800 Each pair Beldfoil shielded with individual drain wire plus polyester film over each shield.																		

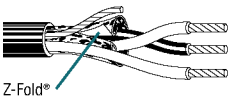
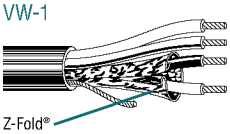
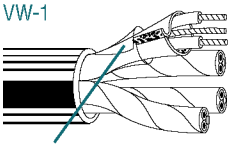
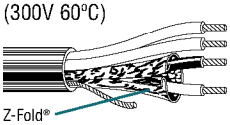
TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Request Technical Bulletin T/8-21 before planning high and low level circuits in the same cable.

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Combination Shields

Special Audio, Communication and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
20 AWG Stranded (7x28) • Tinned Copper • Conductors Cabled • 100% Beldfoil® Shield as noted • 20 or 22 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
350V 80°C	**8763**		1.5 (1 pair + 1 single)	Shielded: Black & Red Unshielded: Clear	1000	304.8	27.0	12.3	.014	.36	.028	.71	.210	5.33	26	85	48	157
 Z-Fold®																		
Beldfoil shield over Red and Black pair only. Clear conductor is unshielded. 20 AWG drain wire.																		
PVC Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
350V 80°C VW-1	**8722**	NEC: CMG CEC: CMG FT4	2	Shielded: Red & Black Unshielded: Green & White	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	18.0 18.5 36.0 36.0	8.2 8.4 16.4 16.4	.015	.38	.028	.71	.226	5.74	60	197	99	325
 Z-Fold®																		
Beldfoil shield over Red and Black conductors only. 22 AWG drain wire. Request Technical Bulletin T/8-21 before planning high and low level circuits in the same cable.																		
Polypropylene Insulation • Chrome PVC Jacket (Cabled Around a Common Axis)																		
400V 105°C VW-1	**8725**	NEC: CM CEC: CM	4	Red & Black; Green & White; White/Red & White/Black; White/Green & White/Yellow	500 1000	152.4 304.8	38.0 74.0	17.3 33.6	.015	.38	.030	.76	.345	8.76	27	89	49	161
 Shorting Fold																		
Four groups of two conductors with drain wires, each group individually Beldfoil shielded with polyester tape wrap. 22 AWG drain wire.																		
20 and 18 AWG Stranded Conductors (7x28 and 16x30) • TC • 100% Beldfoil Shield over 20 AWG Pair • 22 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Beige PVC Jacket																		
UL AWM Style 2094 (300V 60°C)	**9155**	NEC: CM CEC: CM	2 1 Shld 20 (7x28) 1 Unshld 18 (16x30)	Black & Red Green & White	500 U-1000 1000	152.4 U-304.8 304.8	24.5 47.0 48.0	11.2 21.4 21.8	.020 .019	.51 .48	.031	.79	.262	6.65	24 22	79 72	46	151
 Z-Fold®																		
NEC Article 800																		

TC = Tinned Copper

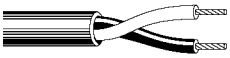
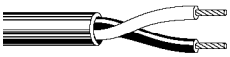
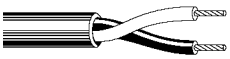
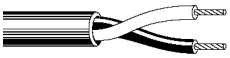
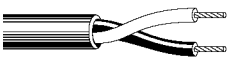
*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

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Plenum-Rated

Unshielded
Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs														
Plenum • FEP Insulation • Red FEP Jacket														
300V RMS, Non-conduit 	**88442**	NEC: CMP CEC: CMP FT6	1	Black & Red	100 500† 1000†	30.5 152.4 304.8	2.3 5.5 10.0	1.0 2.5 4.5	.006	.15	.012	.30	.102	2.59
	88741	NEC: CMP CEC: CMP FT6	2	Black & Red, Black & White	500† 1000†	152.4 304.8	9.5 21.0	4.3 9.5	.006	.15	.012	.30	.169	4.29
	88757	NEC: CMP CEC: CMP FT6	4	Black & Red, Black & White, Black & Green, Black & Blue	500† 1000†	152.4 304.8	16.0 33.0	7.3 15.0	.006	.15	.012	.30	.200	5.08
Plenum • FEP Insulation • Natural Flamarrest® Jacket														
300V RMS, Non-conduit 	**82442** new	NEC: CMP CEC: CMP FT6	1	Black & Red	U-1000† 1000†	U-304.8 304.8	83.0 84.0	37.7 38.2	.006	.15	.014	.36	.112	2.84
	82741	NEC: CMP CEC: CMP FT6	2	Black & Red, Black & White	U-1000† 1000†	U-304.8 304.8	18.0 21.0	8.2 9.5	.006	.15	.014	.36	.179	4.55
	82742	NEC: CMP CEC: CMP FT6	3	Black & Red, Black & White, Black & Green	U-1000† 1000†	U-304.8 304.8	24.0 28.0	10.9 12.7	.006	.15	.014	.36	.191	4.85
	82757	NEC: CMP CEC: CMP FT6	4	Black & Red, Black & White, Black & Green, Black & Blue	U-1000 1000†	U-304.8 304.8	31.0 34.0	14.1 15.5	.006	.15	.014	.36	.210	5.33
	82743	NEC: CMP CEC: CMP FT6	6	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown	U-1000† 1000†	U-304.8 304.8	44.0 45.0	20.0 20.5	.006	.15	.014	.36	.237	6.02
18 AWG Stranded Conductors (19x30) • Tinned Copper • Twisted Pair														
Plenum • FEP Insulation • Red FEP Jacket														
300V RMS, Non-conduit 	**89740**	NEC: CMP CEC: CMP FT6	1	Black & Red	100 500† 1000†	30.5 152.4 304.8	3.0 9.0 17.0	1.4 4.1 7.7	.006	.17	.009	.23	.136	3.45
Plenum • FEP Insulation • Red Fluorocopolymer Jacket														
300V RMS, Non-conduit 	**87740**	NEC: CMP CEC: CMP FT6	1	Black & Red	500† 1000†	152.4 304.8	9.0 17.0	4.1 7.7	.006	.17	.011	.28	.140	3.56
Plenum • FEP Insulation • Natural Flamarrest Jacket														
300V RMS, Non-conduit 	**82740**	NEC: CMP CEC: CMP FT6	1	Black & Red	U-1000 1000†	U-304.8 304.8	17.0 18.0	7.7 8.2	.006	.17	.014	.36	.146	3.71

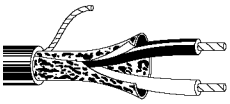
†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

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Plenum-Rated

Overall Beldfoil® Shield

Computer Cables for EIA RS-232 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire																		
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS, Non-conduit 	**88641**	NEC: CMP CEC: CMP FT6	1	Black & Red	100 500† 1000†	30.5 152.4 304.8	2.4 6.0 11.0	1.1 2.7 5.0	.006	.15	.014	.36	.106	2.69	31	102	59	194
	89503	NEC: CMP CEC: CMP FT6	3	Black & White, Black & Red, Black & Green	100 500† 1000†	30.5 152.4 304.8	4.0 12.0 23.0	1.8 5.5 10.5	.006	.15	.014	.36	.175	4.45	21	69	40	131
	89504	NEC: CMP CEC: CMP FT6	4	Black & White, Black & Red, Black & Green, Black & Blue	500† 1000†	152.4 304.8	14.5 31.0	6.6 14.1	.006	.15	.014	.36	.192	4.88	21	69	40	131
	89505	NEC: CMP CEC: CMP FT6	5	Black & White, Black & Red, Black & Green, Black & Blue, Black & Yellow	100 1000†	30.5 304.8	4.9 35.0	2.2 15.9	.006	.15	.014	.36	.197	5.00	21	69	40	131
Plenum • FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS, Non-conduit 	**82641**	NEC: CMP CEC: CMP FT6	1	Black & Red	U-1000† 1000†	U-304.8 304.8	9.0 10.0	4.1 4.5	.006	.15	.014	.36	.106	2.69	31	102	59	194
	82502	NEC: CMP CEC: CMP FT6	2	Black & White, Black & Red	U-500† U-1000† 1000†	U-152.4 U-304.8 304.8	8.0 15.0 16.0	3.6 6.8 7.3	.006	.15	.014	.36	.162	4.11	25	82	45	148
	82503	NEC: CMP CEC: CMP FT6	3	Black & White, Black & Red, Black & Green	U-1000† 1000†	U-304.8 304.8	19.0 20.0	8.6 9.1	.006	.15	.014	.36	.169	4.29	25	82	45	148
	82504	NEC: CMP CEC: CMP FT6	4	Black & White, Black & Red, Black & Green, Black & Blue	U-1000† 1000†	U-304.8 304.8	24.0 27.0	10.9 12.3	.006	.15	.014	.36	.193	4.90	25	82	45	148
	82505	NEC: CMP CEC: CMP FT6	5	See Chart 3 (Tech Info Section)	U-1000† 1000†	U-304.8 304.8	30.0 33.0	13.6 15.0	.006	.15	.015	.38	.196	4.98	25	82	45	148
	82506	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	U-500† U-1000† 1000†	U-152.4 U-304.8 304.8	17.5 34.0 37.0	8.0 15.5 16.8	.006	.15	.015	.38	.209	5.31	25	82	45	148
	82509	NEC: CMP CEC: CMP FT6	9	See Chart 3 (Tech Info Section)	1000†	304.8	49.0	22.3	.006	.15	.015	.38	.246	6.25	23	75	42	138
	82512	NEC: CMP CEC: CMP FT6	12.5 (12 pairs + 1 single)	See Chart 3 (Tech Info Section)	1000†	304.8	60.0	27.3	.006	.15	.015	.38	.278	7.06	23	75	42	138

TC = Tinned Copper

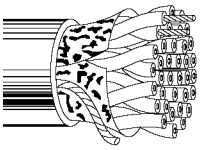
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

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Plenum-Rated

Overall Beldfoil® Shield

Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422 and EIA RS-485 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire																		
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																		
300V RMS, Non-conduit 	**88102**	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	12.0 24.0	5.5 10.9	24.0Ω/M′ 78.7Ω/km	15.5Ω/M′ 50.9Ω/km	.203	5.16	100	78%	12.95	42.5	23.3	76.4
	88103	NEC: CMP CEC: CMP FT6	3	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	15.5 31.0	7.0 14.1	24.0Ω/M′ 78.7Ω/km	15.5Ω/M′ 50.9Ω/km	.239	6.07	100	78%	12.95	42.5	23.3	76.4
	88104	NEC: CMP CEC: CMP FT6	4	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	19.0 38.0	8.6 17.3	24.0Ω/M′ 78.7Ω/km	14.0Ω/M′ 45.9Ω/km	.259	6.58	100	78%	12.95	42.5	23.3	76.4
	88105	NEC: CMP CEC: CMP FT6	5	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	25.0 44.0	11.4 20.0	24.0Ω/M′ 78.7Ω/km	14.0Ω/M′ 45.9Ω/km	.267	6.78	100	78%	12.95	42.5	23.3	76.4
	88106	NEC: CMP CEC: CMP FT6	6	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	28.0 50.0	12.7 22.7	24.0Ω/M′ 78.7Ω/km	14.0Ω/M′ 45.9Ω/km	.293	7.44	100	78%	12.95	42.5	23.3	76.4
	88107	NEC: CMP CEC: CMP FT6	7.5 (7 pairs + 1 single)	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	32.5 59.0	14.8 26.8	24.0Ω/M′ 78.7Ω/km	14.0Ω/M′ 45.9Ω/km	.293	7.44	100	78%	12.95	42.5	23.3	76.4
	88109	NEC: CMP CEC: CMP FT6	9	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	36.5 74.0	16.6 33.6	24.0Ω/M′ 78.7Ω/km	13.0Ω/M′ 42.7Ω/km	.352	8.94	100	78%	12.95	42.5	23.3	76.4
	88112	NEC: CMP CEC: CMP FT6	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	48.0 97.0	21.8 44.1	24.0Ω/M′ 78.7Ω/km	11.8Ω/M′ 38.7Ω/km	.397	10.08	100	78%	12.95	42.5	23.3	76.4
	88118	NEC: CMP CEC: CMP FT6	18.5 (18 pairs + 1 single)	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	66.5 148.0	30.2 67.3	24.0Ω/M′ 78.7Ω/km	11.0Ω/M′ 36.1Ω/km	.482	12.24	100	78%	12.95	42.5	23.3	76.4
	88125	NEC: CMP CEC: CMP FT6	25	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	98.0 195.0	44.5 88.6	24.0Ω/M′ 78.7Ω/km	9.6Ω/M′ 31.5Ω/km	.581	14.76	100	78%	12.95	42.5	23.3	76.4

DCR = DC Resistance • TC = Tinned Copper

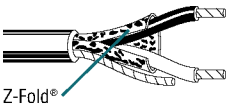
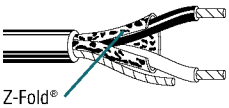
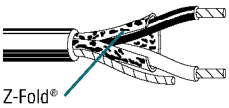
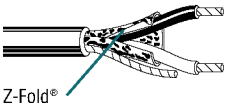
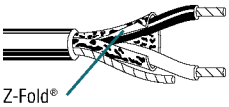
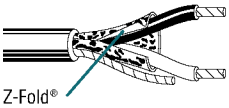
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools are one piece, but length may vary ±10% from length shown.

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Plenum-Rated

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 22 AWG Stranded TC Drain Wire																		
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS, Non-conduit	**88761**	NEC:	1	Black,	100	30.5	2.7	1.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
 Z-Fold®		CMP		Red	U-500	U-152.4	7.0	3.2										
		CEC:			500†	152.4	7.5	3.4										
		CMP FT6			U-1000	U-304.8	13.0	5.9										
					1000†	304.8	14.0	6.4										
Plenum • FEP Insulation • Red Fluorocopolymer Jacket																		
300V RMS, Non-conduit	**87761**	NEC:	1	Black,	500†	152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
 Z-Fold®		CMP		Red	1000†	304.8	13.0	5.9										
		CEC:																
		CMP FT6																
Plenum • FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS, Non-conduit	**82761**	NEC:	1	Black,	U-500†	U-152.4	6.5	3.0	.006	.15	.014	.36	.116	2.95	35	115	67	220
 Z-Fold®		CMP		Red	U-1000†	U-304.8	12.0	5.5										
		CEC:			1000†	304.8	13.0	5.9										
		CMP FT6																
18 AWG Stranded Conductors (19x30) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 20 AWG Stranded TC Drain Wire																		
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS, Non-conduit	**88760**	NEC:	1	Black,	100	30.5	3.7	1.7	.007	.18	.014	.36	.150	3.81	51	167	97	318
 Z-Fold®		CMP		Red	U-500	U-152.4	12.5	5.7										
		CEC:			500†	152.4	13.0	5.9										
		CMP FT6			U-1000	U-304.8	24.0	10.9										
					1000†	304.8	24.0	10.9										
Plenum • FEP Insulation • Red Fluorocopolymer Jacket																		
300V RMS, Non-conduit	**87760**	NEC:	1	Black,	U-500	U-152.4	12.0	5.5	.007	.18	.014	.36	.150	3.81	51	167	97	318
 Z-Fold®		CMP		Red	500†	152.4	12.5	5.7										
		CEC:			1000†	304.8	23.0	10.5										
		CMP FT6																
Plenum • FEP Insulation • Natural Flamarrest Jacket																		
300V RMS, Non-conduit	**82760**	NEC:	1	Black,	U-500†	U-152.4	11.5	5.2	.007	.18	.014	.36	.150	3.81	51	167	97	318
 Z-Fold®		CMP		Red	U-1000†	U-304.8	22.0	10.0										
		CEC:			1000†	304.8	23.0	10.5										
		CMP FT6																

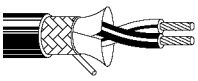
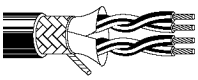
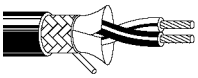
TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

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Plenum-Rated

Overall Foil/Braid Shield
Low-Capacitance Computer and Computer P.O.S. Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
Low Cap 24 AWG Stranded (7x32) • TC • Twisted Pairs • Overall 100% Beldfoil® + 90% TC Braid Shield • 24 AWG Stranded TC Drain Wire																		
Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS, Non-conduit 	**82841** new	NEC: CMP CEC: CMP FT6	1	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	16.0 28.0	7.3 12.7	24.0Ω/M´ 78.7Ω/km	3.1Ω/M´ 10.2Ω/km	.204	5.18	120	76%	12	39.4	22	72.2
300V RMS, Non-conduit 	**82842** new	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	21.0 42.0	9.5 19.1	24.0Ω/M´ 78.7Ω/km	2.4Ω/M´ 7.9Ω/km	.273	6.93	120	76%	12	39.4	22	72.2
Plenum • Foam FEP Insulation • Red FEP Jacket																		
300V RMS, Non-conduit 	**89841** new	NEC: CMP CEC: CMP FT6	1	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	15.5 29.0	7.0 13.2	24.0Ω/M´ 78.7Ω/km	3.1Ω/M´ 10.2Ω/km	.202	5.13	120	76%	12	39.4	22	72.2
22 AWG Solid • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil + 90% TC Braid Shield • 22 AWG Solid TC Drain Wire																		
Plenum • Solid FEP Insulation • Black FEP Jacket																		
300V RMS, Non-conduit 	**1269A**	NEC: MPP, CMP CEC: MPP, CMP FT6	2	Red & Blue, Black & Yellow	1000†	304.8	48.0	21.8	16.5Ω/M´ 54.1Ω/km	2.1Ω/M´ 6.9Ω/km	.240	6.10	100	69.5%	15.5	50.9	27	88.6
22 AWG Solid • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil + 55% TC Braid Shield plus Polyester Tape • 22 AWG Solid TC Drain Wire																		
Plenum • Solid FEP Insulation • Black FEP Jacket																		
300V RMS, Non-conduit 	**89855**	NEC: MPP, CMP CEC: MPP, CMP FT6	2	1 Pair: Red & Blue 1 Pair: Black & Yellow	500† 1000†	152.4 304.8	24.0 42.0	10.9 19.1	16.5Ω/M´ 54.1Ω/km	4.9Ω/M´ 16.1Ω/km	.272	6.91	100	69.5%	15.5	50.9	27	88.6
22 AWG Solid • Bare Copper • Twisted Pairs • Overall 100% Beldfoil + 55% TC Braid Shield • 22 AWG Solid TC Drain Wire																		
Plenum • Solid FEP Insulation • Black FEP Jacket																		
300V RMS, Non-conduit 	**89696**	NEC: MPP, CMP CEC: MPP, CMP FT6	2	1 Pair: Blue & White with Blue Stripe 1 Pair: Orange & White with Orange Stripe	500† 1000†	152.4 304.8	25.0 47.0	11.4 21.4	16.5Ω/M´ 54.1Ω/km	4.2Ω/M´ 13.8Ω/km	.262	6.65	100	69.5%	15.5	50.9	27	88.6

DCR = DC Resistance • TC = Tinned Copper

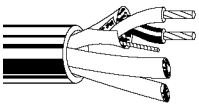
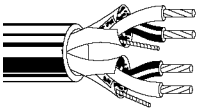
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools are one piece, but length may vary ±10% from length shown.

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Plenum-Rated

Individually Shielded Pairs

Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422 and Digital Audio Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 24 AWG Stranded TC Drain Wire																		
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																		
300V RMS, Non-conduit 	**89729**	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	18.5 31.0	8.4 14.1	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.261	6.63	100	78%	13.5	44	22.5	73.8
	89730	NEC: CMP CEC: CMP FT6	3	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	23.0 40.0	10.5 18.2	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.278	7.06	100	78%	13.5	44	22.5	73.8
	89728	NEC: CMP CEC: CMP FT6	4	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	26.5 50.0	12.0 22.7	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.307	7.80	100	78%	13.5	44	22.5	73.8
	89705	NEC: CMP CEC: CMP FT6	5	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	30.5 62.0	13.9 28.2	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.327	8.31	100	78%	13.5	44	22.5	73.8
	89731	NEC: CMP CEC: CMP FT6	6	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	35.0 71.0	15.9 32.3	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.361	9.17	100	78%	13.5	44	22.5	73.8
	89757	NEC: CMP CEC: CMP FT6	7	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	39.5 80.0	18.0 36.4	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.361	9.17	100	78%	13.5	44	22.5	73.8
	89732	NEC: CMP CEC: CMP FT6	9	See Chart 5 (Tech Info Section)	1000†	304.8	106.0	48.2	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.429	10.90	100	78%	13.5	44	22.5	73.8
	89734	NEC: CMP CEC: CMP FT6	12	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	71.0 140.0	32.3 63.6	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.498	12.65	100	78%	13.5	44	22.5	73.8
	89758	NEC: CMP CEC: CMP FT6	18	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	100.5 204.0	45.7 92.7	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.616	15.65	100	78%	13.5	44	22.5	73.8
Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS, Non-conduit 	**82729**	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	U-1000 1000†	U-304.8 304.8	27.0 28.0	12.3 12.7	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.255	6.48	100	78%	13.5	44	22.5	73.8

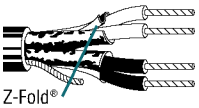
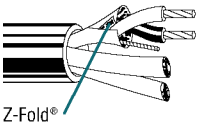
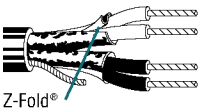
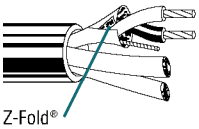
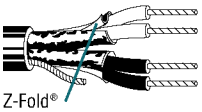
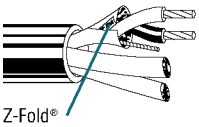
DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools are one piece, but length may vary ±10% from length shown.

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Plenum-Rated

Individually Shielded Pairs
Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs • Individually Shielded 100% Beldfoil® • 22 AWG Stranded TC Drain Wire††																		
Plenum • Halar® Insulation • Natural Flamarrest® Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
300V RMS, Non-conduit  Z-Fold®	**82723**	NEC: CMP CEC: CMP FT6	2	Red & Black, Green & White	U-500† U-1000 1000† U-2000†	U-152.4 U-304.8 304.8 U-609.6	10.0 19.0 20.0 38.0	4.5 8.6 9.1 17.3	14.7Ω/M′ 48.2Ω/km	16.6Ω/M′ 54.5Ω/km	.148	3.76	36	62%	43	141	75	246
††82723 has 24 AWG drain wire Pairs cabled on common axis to reduce diameter.																		
300V RMS, Non-conduit  Z-Fold®	**82777**	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	U-500† U-1000 1000†	U-152.4 U-304.8 304.8	19.0 38.0 39.0	8.6 17.3 17.7	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.234	5.94	46	62%	35	115	76	249
	82778	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	1000†	304.8	67.0	30.5	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.330	8.38	46	62%	35	115	76	249
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS, Non-conduit  Z-Fold®	**88723**	NEC: CMP CEC: CMP FT6	2	Red & Black, Green & White	100 500 1000	30.5 152.4 304.8	3.4 11.0 21.0	1.5 5.0 9.5	14.7Ω/M′ 48.2Ω/km	16.6Ω/M′ 54.5Ω/km	.148	3.76	40	69%	35	115	67	220
††88723 has 24 AWG drain wire																		
300V RMS, Non-conduit  Z-Fold®	**88777**	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	6.0 21.0 42.0	2.7 9.5 19.1	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.234	5.94	50	69%	31	102	67	220
	88778	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	8.8 40.0 75.0	4.0 18.2 34.1	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.309	7.85	50	69%	31	102	67	220
Pairs cabled on common axis to reduce diameter.																		
Plenum • FEP Insulation • Red Fluorocopolymer Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
300V RMS, Non-conduit  Z-Fold®	**87723**	NEC: CMP CEC: CMP FT6	2	Red & Black, Green & White	500† 1000†	152.4 304.8	11.0 20.0	5.0 9.1	14.7Ω/M′ 48.2Ω/km	16.6Ω/M′ 54.5Ω/km	.148	3.76	40	69%	35	115	67	220
††87723 has 24 AWG drain wire.																		
300V RMS, Non-conduit  Z-Fold®	**87777**	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	500† 1000†	152.4 304.8	20.0 40.0	9.1 18.2	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.234	5.94	50	69%	31	102	67	220
	87778	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	500† 1000†	152.4 304.8	37.5 73.0	17.0 33.2	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.309	7.85	50	69%	31	102	67	220
Pairs cabled on common axis to reduce diameter.																		

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length show.

Halar is an Ausimont Corporation trademark.

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Belden



Coaxial Cables

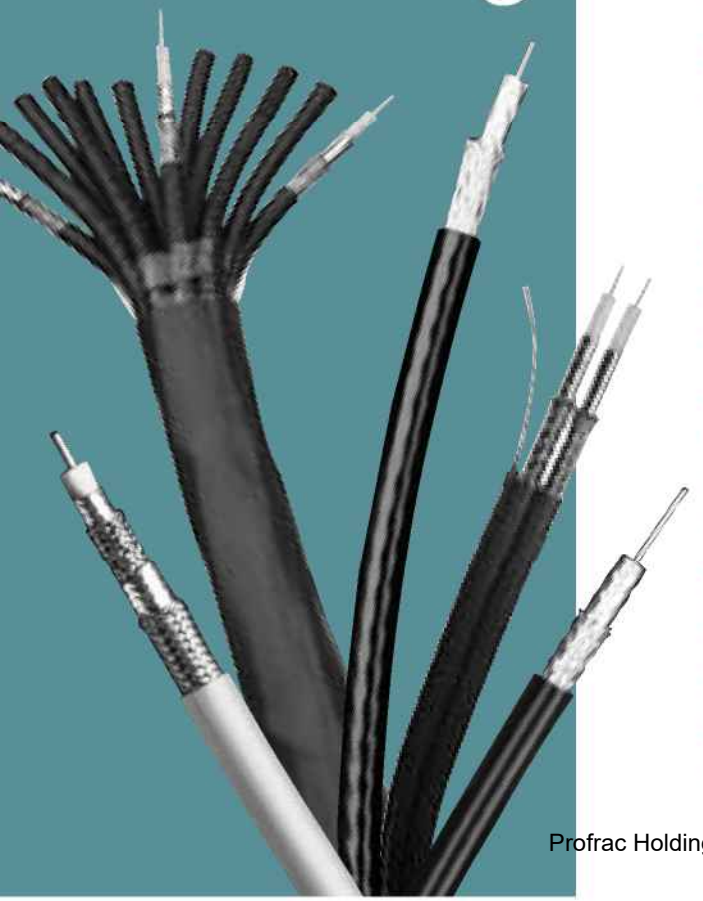


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Please refer to "Terms of Use of Master Catalog" on page 16.30.

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Introduction

Compare Belden® Coaxial cables and the companies who produce them and you will discover the obvious: Belden has no equal. That's because Belden Coaxial cables are time-tested for performance. Performance that guarantees outstanding value. Belden guarantees this level of performance because every cable is tested with equipment that simulates every known environmental and electrical performance condition. As a result, Belden Coaxial cable can be counted on for positive, reliable and trouble-free operation.

Belden Coaxial cables are engineered in a wide selection of sizes and materials, with each offering the benefits needed for physical, electrical and cost-requirement applications. Cable choices include broadband, standard analog, precision video for analog and digital, bundled RGB, high-flex SVHS, video triax, conformable coax and more.

Most of our Coax cables are available from stock. Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find a Coax cable in this catalog section that meets your technical requirements, contact Technical Support at 1-800-BELDEN-1.

Coax Cable Shielding

Belden's line of coaxial cable features a wide range of shielding configurations. Among the options are:

Duofoil®

Duofoil is a shield in which metallic foil is applied to both sides of a supporting polyester or polypropylene film.

Duobond®

Duobond is essentially the same construction as Duofoil (a laminated shielding tape consisting of aluminum foil/plastic film/ aluminum foil), but with an extra layer of heat-sensitive adhesive bonding the foil shield to the dielectric core. This foil shield provides 100% coverage and insures maximum shield protection.

Duobond II (Foil/Braid)

Combines all the features of Duobond with an outer braid applied for greater protection against interference and to increase the overall tensile strength.

Duobond III (Tri-Shield)

Duobond III utilizes the Duobond II design (foil/braid) plus an additional surrounding layer of Duofoil. This extra layer of foil improves shield reliability and provides an additional interference barrier.

Duobond IV (Quad Shield)

Duobond IV adds a second layer of braid to the Tri-Shield design (foil/braid/foil/braid). This extra layer of braid shield provides improved strength and durability.

Duobond Plus®

Features the same foil/braid/foil construction as Duobond II but with the addition of a shorting fold in the outermost foil. This fold prevents a slot opening from being created in the shield, thereby preventing signal egress or ingress. This unique feature creates the effect of a solid metal conduit, which improves the high-frequency performance of the cable. (See the Technical Information section of this catalog, page 16.88, for a more detailed explanation of "shorting folds.")

Coax Cable Packaging

As with most Belden cables, several Coax cable products are available in Belden's UnReel® cardboard dispenser. The UnReel is a unique packaging dispensing system developed by Belden to save time, cut costs and labor, and eliminate the need for dereeling equipment. Lightweight and more economical than conventional drums or reels, UnReel dispensers have pre-punched handles for easy, individual transport as well as rectangular boxes for easy pallet delivery and storage. UnReel cable pays out smoothly and evenly with no kinking, twisting, or backlashing. It also rolls out 60% faster than conventionally packaged cable.

Corresponding Literature

Technical Bulletins

TB-65: *Digital Studio Cable Guide*

Product Bulletins

NP 182: *Belden Expands Line of Low Loss 50 Ohm RF Transmission Cable*

NP 183: *Belden Introduces Flexible Brilliance® 1505F Precision Digital Video Coaxial Cable*

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RG Coaxial and Triaxial Reference Guide

DS-3 and DS-4 Interconnect and Cross-Connect Cables and Low Loss 50 Ohm Wireless RF Transmission Cables

Cable Designation	Part No.	Page No.	Spec. Reference	Conductor Stranding/ Dia. & Type* (DCR/1000 Ft.)	Insulation Material (OD in.)	Shield Type Tape/Braid (DCR/1000 Ft.)	Jacket Material (OD in.)	Nom. Weight (Lbs./Ft.)	Nom. Imp. (Ω)	Nom. Cap. (pF/Ft.)	Suggested Operating Temp. Range (°C) Non UL	Max. Oper. Voltage (RMS) Non UL
DS-3 and DS-4 Interconnect and Cross-connect Cable												
728A Type	**9231**	6.42	Belden	1/.031″ BC (9.9)	PE (.198)	Inner None/98% SPC (187.0) Outer None/95% BC (2.1)	PVC-NC (.305)	.071	75	21.0	-40 to +60	1900
734A Type DS3-4	**734A1**	6.55	Belden	1/.032″ BC (10.0)	GIFPE (.148)	BF/85% TC (2.4)	PVC (.235)	.031	75	16.8	-40 to +75	300
734A Type DS3-4 Bundled 12-Coax	**734A12**	6.55	Belden	1/.032″ BC (10.0)	GIFPE (.148)	BF/85% TC (2.4)	PVC (1.026)	.635	75	16.8	-40 to +75	300
734A Type DS3-4 Plenum	**734A1P**	6.55	Belden	1/.032″ BC (10.0)	FFEP (.148)	BF/85% TC (2.4)	FLM (.215)	.037	75	17.3	-0 to +75	300
734A Type DS3-4 Bundled 6-Coax	**734A6**	6.55	Belden	1/.032″ BC (10.0)	GIFPE (.148)	BF/85% TC (2.4)	PVC (.772)	.465	75	16.8	-40 to +75	300
734D Type DS3-4	**734D1**	6.55	Belden	1/.032″ SPC (10.0)	GIFPE (.148)	BF/85% TC (2.4)	PVC (.235)	.031	75	16.8	-40 to +75	300
734D Type DS3-4 Bundled 12-Coax	**734D12**	6.55	Belden	1/.032″ SPC (10.0)	GIFPE (.148)	BF/85% TC (2.4)	PVC (1.026)	.635	75	16.8	-40 to +75	300
734D Type DS3-4 Plenum	**734D1P**	6.55	Belden	1/.032″ SPC (10.0)	FFEP (.148)	BF/85% TC (2.4)	FLM (.215)	.037	75	17.3	-0 to +75	300
734D Type DS3-4 1-Coax with Tracer	**734D1T**	6.55	Belden	1/.032″ SPC (10.0)	GIFPE (.148)	BF/85% TC (2.4)	PVC (.235 x .309)	.032	75	16.8	-40 to +75	300
734D Type DS3-4 Dual Coax	**734D2**	6.55	Belden	1/.032″ SPC (10.0)	GIFPE (.148)	BF/85% TC (2.4)	PVC (.235 x .470)	.063	75	16.8	-40 to +75	300
734D Type DS3-4 2-Coax with Tracer	**734D2T**	6.55	Belden	1/.032″ SPC (10.0)	GIFPE (.148)	BF/85% TC (2.4)	PVC (.235 x .550)	.064	75	16.8	-40 to +75	300
734D Type DS3-4 Bundled 6-Coax	**734D6**	6.55	Belden	1/.032″ SPC (10.0)	GIFPE (.148)	BF/85% TC (2.4)	PVC (.772)	.465	75	16.8	-40 to +75	300
735A Type DS3-4	**735A1**	6.54	Belden	1/.0159″ SPC (41.0)	FPE (.077)	BF/93% TC (5.3)	PVC (.129)	.011	75	17.7	-40 to +75	300
735A Type DS3-4 Bundled 12-Coax	**735A12**	6.54	Belden	1/.0159″ SPC (41.0)	FPE (.077)	BF/93% TC (5.3)	PVC (.581)	.165	75	17.7	-40 to +75	300
735A Type DS3-4 Bundled 16-Coax	**735A16**	6.54	Belden	1/.0159″ SPC (41.0)	FPE (.077)	BF/93% TC (5.3)	PVC (.636)	.230	75	17.7	-40 to +75	300
735A Type DS3-4 Plenum	**735A1P**	6.54	Belden	1/.0159″ SPC (41.0)	FFEP (.077)	BF/93% TC (5.3)	FLM (.129)	.018	75	17.5	-0 to +75	300
735A Type DS3-4 1-Coax with Tracer	**735A1T**	6.54	Belden	1/.0159″ SPC (41.0)	FPE (.077)	BF/93% TC (5.3)	PVC (.129 x .203)	.013	75	17.7	-40 to +75	300
735A Type DS3-4 Dual Coax	**735A2**	6.54	Belden	1/.0159″ SPC (41.0)	FPE (.077)	BF/93% TC (5.3)	PVC (.129 x .258)	.022	75	17.7	-40 to +75	300
735A Type DS3-4 Bundled 24-Coax	**735A24**	6.54	Belden	1/.0159″ SPC (41.0)	FPE (.077)	BF/93% TC (5.3)	PVC (.870)	.360	75	17.7	-40 to +75	300
735A Type DS3-4 2-Coax with Tracer	**735A2T**	6.54	Belden	1/.0159″ SPC (41.0)	FPE (.077)	BF/93% TC (5.3)	PVC (.129 x .332)	.025	75	17.7	-40 to +75	300
735A Type DS3-4 Bundled 3-Coax	**735A3**	6.54	Belden	1/.0159″ SPC (41.0)	FPE (.077)	BF/93% TC (5.3)	PVC (.309)	.045	75	17.7	-40 to +75	300
735A Type DS3-4 Bundled 6-Coax	**735A6**	6.54	Belden	1/.0159″ SPC (41.0)	FPE (.077)	BF/93% TC (5.3)	PVC (.399)	.085	75	17.7	-40 to +75	300
735A Type DS3-4 Bundled 8-Coax	**735A8**	6.54	Belden	1/.0159″ SPC (41.0)	FPE (.077)	BF/93% TC (5.3)	PVC (.447)	.011	75	17.7	-40 to +75	300
735A Type DS3-4 Bundled 9-Coax	**735A9**	6.54	Belden	1/.0159″ SPC (41.0)	FPE (.077)	BF/93% TC (5.3)	PVC (.484)	.124	75	17.7	-40 to +75	300
Low Loss 50 Ohm Wireless RF Transmission Cables												
RF300	**7809A**	6.60	Belden	1/.072″ BC (2.0)	GIFPE (.190)	DB/95% TC (2.7)	PE (.300)	.055	50	23.0	-40 to +80	300
RF300R Riser	**7809R**	6.60	Belden	1/.072″ BC (2.0)	GIFPE (.190)	DB/95% TC (2.7)	PVC (.300)	.065	50	23.0	-40 to +80	300
RF300WB Burial	**7809WB**	6.60	Belden	1/.072″ BC (2.0)	GIFPE (.190)	DB/95% TC (2.7)	PE (.300)	.055	50	23.0	-40 to +80	300

*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.

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Low Loss 50 Ohm Wireless RF Transmission Cables and Microwave Conformable® Coax

Cable Designation	Part No.	Page No.	Spec. Reference	Conductor Stranding/ Dia. & Type* (DCR/1000 Ft.)	Insulation Material (OD in.)	Shield Type Tape/Braid (DCR/1000 Ft.)	Jacket Material (OD in.)	Nom. Weight (Lbs./Ft.)	Nom. Imp. (Ω)	Nom. Cap. (pF/Ft.)	Suggested Operating Temp. Range (°C) Non UL	Max. Oper. Voltage (RMS) Non UL
Low Loss 50 Ohm Wireless RF Transmission Cables *(continued)*												
RG-174/U Type RF100	**7805**	6.57	Belden	1/.018″ BC (32.0)	PE (.061)	DF/90% TC (9.1)	PVC (.110)	.010	50	31.2	-40 to +80	1100
RG-174/U Type RF 100 Low Loss	**7805R**	6.57	Belden	1/.0195″ BC (27.3)	FPE (.060)	DF/90% TC (9.4)	PVC (.110)	.010	50	26.2	-40 to +80	300
RG-58/U Type RF195	**7806A**	6.58	Belden	1/.037″ BC (7.6)	GIFPE (.110)	DF/90% TC (4.2)	PE (.195)	.024	50	24.3	-40 to +80	300
RG-58/U Type RF195 Riser	**7806R**	6.58	Belden	1/.037″ BC (7.6)	GIFPE (.110)	DF/90% TC (4.2)	PVC (.195)	.026	50	24.3	-40 to +80	300
RG-58/U Type RF200	**7807A**	6.58	Belden	1/.044″ BC (3.3)	GIFPE (.116)	DF/95% TC (4.2)	PE (.195)	.025	50	23.5	-40 to +80	300
RG-58/U Type RF200 Riser	**7807R**	6.58	Belden	1/.044″ BC (3.3)	GIFPE (.116)	DF/95% TC (4.2)	PVC (.195)	.028	50	23.5	-40 to +80	300
RG-8/X Type RF240	**7808A**	6.59	Belden	1/.057″ BC (3.2)	GIFPE (.150)	DB/95% TC (3.5)	PE (.240)	.037	50	23.0	-40 to +80	300
RG-8/X Type RF240 Riser	**7808R**	6.59	Belden	1/.057″ BC (3.2)	GIFPE (.150)	DB/95% TC (3.5)	PVC (.240)	.041	50	23.0	-40 to +80	300
RG-8/X Type RF240 Burial	**7808WB**	6.59	Belden	1/.057″ BC (3.2)	GIFPE (.150)	DB/95% TC (3.5)	PE (.240)	.037	50	23.0	-40 to +80	300
RF300	**7809A**	6.60	Belden	1/.072″ BC (2.0)	GIFPE (.190)	DB/95% TC (2.7)	PE (.300)	.055	50	23.0	-40 to +80	300
RF300R Riser	**7809R**	6.60	Belden	1/.072″ BC (2.0)	GIFPE (.190)	DB/95% TC (2.7)	PVC (.300)	.065	50	23.0	-40 to +80	300
RF300WB Burial	**7809WB**	6.60	Belden	1/.072″ BC (2.0)	GIFPE (.190)	DB/95% TC (2.7)	PE (.300)	.055	50	23.0	-40 to +80	300
RG-8/U Type RF400	**7810A**	6.61	Belden	1/.108″ BCCA (1.3)	GIFPE (.285)	DB/95% TC (1.8)	PE (.405)	.078	50	23.0	-40 to +80	300
RG-8/U Type RF400 Riser	**7810R**	6.61	Belden	1/.108″ BCCA (1.3)	GIFPE (.285)	DB/95% TC (1.8)	PVC (.405)	.090	50	23.0	-40 to +80	300
RG-8/U Type RF400 Burial	**7810WB**	6.61	Belden	1/.108″ BCCA (1.3)	GIFPE (.285)	DB/95% TC (1.8)	PE (.405)	.078	50	23.0	-40 to +80	300
Microwave Conformable Coax												
RG-401/U Type Conformable	**1675A**	6.69	Belden	1/.065″ SCCS (2.5)	TFE (.210)	Copper - Tin Composite	None (.246)	.081	50	29.5	-70 to +200	3000
RG-401/U Type Conformable	**1675J**	6.69	Belden	1/.065″ SCCS (2.5)	TFE (.210)	Copper - Tin Composite	PVC (.286)	.091	50	29.5	-40 to +105	3000
RG-402/U Type Conformable	**1673A**	6.69	Belden	1/.0365″ SCCS (20.5)	TFE (.116)	Copper-Tin Composite (4.5)	None (.138)	.025	50	29.5	-70 to +200	1,900
RG-402/U Type Conformable	**1673B**	6.69	Belden	1/.0362″ SPC (7.9)	TFE (.116)	Copper - Tin Composite	None (.138)	.025	50	29.5	-70 to +200	1900
RG-402/U Type Conformable Jacketed	**1673J**	6.69	Belden	1/.0365″ SCCS (20.5)	TFE (.116)	Copper - Tin Composite (4.5)	PVC (.178)	.031	50	29.5	-70 to +200	1,900
RG-405/U Type Conformable	**1671A**	6.68	Belden	1/.0201″ SCCS (64.2)	TFE (.062)	Copper-Tin Composite (10.2)	None (.085)	.012	50	29.5	-70 to +200	1,500
RG-405/U Type Conformable	**1671B**	6.68	Belden	1/.0201″ SPC (25.7)	TFE (.062)	Copper - Tin Composite	None (.085)	.012	50	29.5	-70 to +200	1500
RG-405/U Type Conformable Jacketed	**1671J**	6.68	Belden	1/.0201″ SCCS (64.2)	TFE (.062)	Copper - Tin Composite	PVC (.127)	.016	50	29.5	-70 to +200	1,500
M17-151 Type Conformable	**1674A**	6.68	Belden	1/.0113″ SCCS (205.0)	TFE (.084)	Copper - Tin Composite	None (.047)	.003	50	29.5	-70 to +200	1,000
M17-151 Type Conformable	**1674B**	6.68	Belden	1/.0113″ SPC (11.0)	TFE (.034)	Copper - Tin Composite	None (.047)	.003	50	29.5	-70 to +200	1000
75 Ohm Conformable	**1672A**	6.70	Belden	1/.0113″ SCCS (205.0)	TFE (.062)	Copper-Tin Composite (10.2)	None (.085)	.012	75	19.5	-70 to +200	500

*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.

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RG Coaxial and Triaxial Reference Guide

Microwave Conformable® Coax and RG-6 Type

Cable Designation	Part No.	Page No.	Spec. Reference	Conductor Stranding/ Dia. & Type* (DCR/1000 Ft.)	Insulation Material (OD in.)	Shield Type Tape/Braid (DCR/1000 Ft.)	Jacket Material (OD in.)	Nom. Weight (Lbs./Ft.)	Nom. Imp. (Ω)	Nom. Cap. (pF/Ft.)	Suggested Operating Temp. Range (°C) Non UL	Max. Oper. Voltage (RMS) Non UL
Microwave Conformable Coax *(continued)*												
75 Ohm Conformable	**1672B**	6.70	Belden	1/.0113″ SPC (11.0)	TFE (.062)	Copper - Tin Composite	None (.085)	.012	50	19.5	-40 to +105	500
75 Ohm Conformable Jacketed	**1672J**	6.70	Belden	1/.0113″ SCCS (205.0)	TFE (.062)	Copper - Tin Composite (10.2)	PVC (.127)	.016	75	19.5	-70 to +200	500
RG-6 Type												
RG-6/U Type Plenum	**1152A**	6.25	Belden, IBM P/N1501919	1/.040″ CCS (28.0)	FFEP (.170)	DF/60% TC DF/40% TC (1.8)	FEP (.273)	.048	75	16.5	-70 to +200	300
RG-6/U Type	**1189A**	6.24	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBIV, 60% AL 40% AL (4.8)	PVC (.298)	.032	75	16.2	-40 to +80	300
RG-6/U Type Plenum	**1189AP**	6.24	Belden	1/.040″ CCS (28.0)	FFEP (.170)	DBIV/60% AL 40% AL (4.8)	FLM (.248)	.039	75	16.3	-20 to +75	300
RG-6/U Type Burial	**1190A**	6.25	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBIV/60% AL 40% AL (4.8)	PE (.298)	.029	75	16.2	-55 to +80	300
RG-6/U Type Messengered	**1191AM**	6.24	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBIV/60% AL 40% AL (4.8)	PVC (.298 x .433)	.040	75	16.2	-40 to +80	300
RG-6/U Type Messengered	**1258AM**	6.19	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBII/60% AL (9.0)	PVC (.270 x .410)	.042	75	16.2	-40 to +80	300
RG-6/U Type Messengered	**1260AM**	6.23	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DB+/80% AL (4.6)	PVC (.275 x .416)	.042	75	16.2	-40 to +80	300
RG-6/U Type	**1530A**	6.20	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBII/90% AL (5.0)	PVC (.270)	.029	75	16.2	-40 to +80	300
RG-6/U Type Plenum	**1530AP**	6.20	Belden	1/.040″ CCS (28.0)	FFEP (.170)	DBII/90% AL (5.0)	FLM (.235)	.027	75	16.3	-20 to +75	300
RG-6/U Type Messengered	**1531AM**	6.20	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBII/90% AL (5.0)	PVC (.270 x .410)	.044	75	16.2	-40 to +80	300
RG-6/U Type Burial	**1532A**	6.20	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBII/90% AL (5.0)	PE (.270)	.024	75	16.2	-55 to +80	300
RG-6/U Type	**1545A**	6.19	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBII/60% AL (9.0)	PVC (.270)	.030	75	16.2	-40 to +80	300
RG-6/U Type	**1546A**	6.21	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBIII/60% AL (6.5)	PVC (.275)	.029	75	16.2	-40 to +80	300
RG-6/U Type	**1613A**	6.22	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBIII/80% AL (5.2)	PVC (.275)	.030	75	16.2	-40 to +80	300
RG-6/U Type Burial	**1614A**	6.22	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBIII/80% AL (5.2)	PE (.275)	.024	75	16.2	-55 to +80	300
RG-6/U Type Messengered	**1615AM**	6.22	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBIII/80% AL (5.2)	PVC (.275 x .416)	.043	75	16.2	-40 to +80	300
RG-6/U Type Messengered	**1616AM**	6.22	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBIII/80% AL (5.2)	PVC (.275 x .416)	.043	75	16.2	-40 to +80	300
RG-6/U Type	**1621A**	6.24	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DB+/90% AL (3.7)	PVC (.275)	.030	75	16.2	-40 to +80	300
RG-6/U Type Digital Video	**1694A**	6.44	Belden	1/.040″ BC (6.4)	GIFPE (.180)	DF/95% TC (2.8)	PVC (.275)	.039	75	16.2	-40 to +80	300
RG-6/U Type Plenum	**1695A**	6.44	Belden	1/.040″ BC (6.4)	FFEP (.170)	DF/95% TC (2.8)	FLM (.234)	.033	75	16.2	-20 to +75	300
RG-6/U Type	**1829A**	6.31	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBII/60% AL (9.0)	PVC (.270)	.028	75	16.2	-40 to +80	300
RG-6/U Type	**1829AC**	6.31	Belden	1/.040″ BC (6.4)	GIFPE (.180)	DBII/60% AL (9.0)	PVC (.270)	.028	75	16.2	-40 to +80	300
RG-6/U Type Burial	**1829B**	6.31	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBII/60% AL (9.0)	PE (.270)	.024	75	16.2	-55 to +80	300
RG-6/U Type Burial	**1829BC**	6.31	Belden	1/.040″ BC (6.4)	GIFPE (.180)	DBII/60% AL (9.0)	PE (.270)	.024	75	16.2	-55 to +80	300

*Inner conductors are entered as: number of strands/strand diameter (in inches).

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RG-6 Type

Cable Designation	Part No.	Page No.	Spec. Reference	Conductor Stranding/ Dia. & Type* (DCR/1000 Ft.)	Insulation Material (OD in.)	Shield Type Tape/Braid (DCR/1000 Ft.)	Jacket Material (OD in.)	Nom. Weight (Lbs./Ft.)	Nom. Imp. (Ω)	Nom. Cap. (pF/Ft.)	Suggested Operating Temp. Range (°C) Non UL	Max. Oper. Voltage (RMS) Non UL
RG-6 Type *(continued)*												
RG-6/U Type Messengered	**1832AM**	6.20	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBII/90% AL (5.0)	PVC (.270 x .410)	.042	75	16.2	-40 to +80	300
RG-6/U Type Burial	**1837A**	6.21	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBIII/60% AL (6.5)	PE (.275)	.024	75	16.2	-55 to +80	300
RG-6/U Type Static Ground	**1839A**	6.32	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBII/60% AL (9.0)	PVC (.270 x .405)	.040	75	16.2	-40 to +80	300
RG-6/U Type Static Ground	**1839AC**	6.32	Belden	1/.040″ BC (6.4)	GIFPE (.180)	DBII/60% AL (9.0)	PVC (.270 x .405)	.040	75	16.2	-40 to +80	300
RG-6/U Type Static Ground	**1840A**	6.32	Belden	2/.040″ CCS (28.0)	GIFPE (.180)	DBII/60% AL (9.0)	PVC (.273 x .703)	.069	75	16.2	-40 to +80	300
RG-6/U Type Static Ground	**1840AC**	6.32	Belden	2/.040″ BC (6.4)	GIFPE (.180)	DBII/60% AL (9.0)	PVC (.273 x .703)	.069	75	16.2	-40 to +80	300
RG-6/U Type	**1841A**	6.32	Belden	2/.040″ BC (28.0)	GIFPE (.180)	DBII/60% AL (9.0)	PVC (.273 x .595)	.058	75	16.2	-40 to +80	300
RG-6/U Type	**1841AC**	6.32	Belden	2/.040″ BC (6.4)	GIFPE (.180)	DBII/60% AL (9.0)	PVC (.273 x .595)	.058	75	16.2	-40 to +80	300
RG-6/U Type Burial	**1843A**	6.33	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBII/60% AL (9.0)	PE (.273 x .750)	.052	75	16.2	-55 to +80	300
RG-6/U Type	**1884A**	6.24	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBIV/60% AL 40% AL (4.8)	PVC (.298)	.035	75	16.2	-40 to +80	300
RG-6/U Type	**3131A**	6.80	Belden	1/.040″ CCS (28.0)	FPE (.180)	DBIV/60% AL 40% AL (3.6)	PVC (.298)	.041	75	16.2	-30 to +75	350
RG-6/U Type	**3132A**	6.80	Belden	1/.040″ CCS (28.0)	FFPE (.170)	DBIV/60% AL 40% AL (3.6)	FCP (.274)	.036	75	16.3	-20 to +150	300
RG-6/U Type	**7915A**	6.33	Belden	1/.040″ BC (6.4)	GIFPE (.180)	DB+/80% AL (4.6)	PVC (.275)	.029	75	16.2	-40 to +80	300
RG-6/U Type	**7916A**	6.33	Belden	1/.040″ BC (6.4)	GIFPE (.180)	DBIV/60% AL 40% AL (4.8)	PVC (.298)	.032	75	16.2	-40 to +80	300
RG-6A/U Type	**8215**	6.38	Belden	1/.028″ CCS (32.0)	PE (.185)	None/96% BC None/95% BC (1.1)	PE (.332)	.069	75	20.5	-55 to +80	2,700
RG-6/U Type	**9058**	6.23	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DB+/80% AL (4.6)	PVC (.275)	.029	75	16.2	-40 to +80	300
RG-6/U Type Messengered	**9059AM**	6.23	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DB+/80% AL (4.6)	PVC (.275 x .416)	.042	75	16.2	-40 to +80	300
RG-6/U Type Burial	**9062**	6.23	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DB+/80% AL (4.6)	PE (.275)	.023	75	16.2	-55 to +80	300
RG-6/U Type Burial	**9066**	6.19	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBII/60% AL (9.0)	PE (.270)	.026	75	16.2	-55 to +80	300
RG-6/U Type	**9072**	6.23	Belden	2/.040″ CCS (28.0)	GIFPE (.180)	DB+/80% AL (4.6)	PVC (.280 x .605)	.061	75	16.2	-40 to +80	300
RG-6/U Type	**9077**	6.19	Belden	2/.040″ CCS (28.0)	GIFPE (.180)	DBII/60% AL (9.0)	PVC (.270 x .590)	.057	75	16.2	-40 to +80	300
RG-6/U Type	**9116**	6.19	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBII/60% AL (9.0)	PVC (.270)	.030	75	16.2	-40 to +80	300
RG-6/U Type	**9116N**	6.19	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBII/60% AL (9.0)	PVC (.270)	.030	75	16.2	-40 to +80	300
RG-6/U Type Plenum	**9116P**	6.19	Belden	1/.040″ CCS (28.0)	FFEP (.170)	DBII/60% AL (9.0)	FLM (.235)	.025	75	16.3	-20 to +75	300
RG-6/U Type Riser	**9116R**	6.19	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBII/60% AL (9.0)	PVC (.270)	.030	75	16.2	-30 to +75	300
RG-6/U Type Messengered	**9117M**	6.19	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBII/60% AL (9.0)	PVC (.270 x .410)	.042	75	16.2	-40 to +80	300
RG-6/U Type	**9118**	6.21	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBII/60% AL (6.5)	PVC (.275)	.026	75	16.2	-40 to +80	300

*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.

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RG-6 and RG-8 Types

Cable Designation	Part No.	Page No.	Spec. Reference	Conductor Stranding/ Dia. & Type* (DCR/1000 Ft.)	Insulation Material (OD in.)	Shield Type Tape/Braid (DCR/1000 Ft.)	Jacket Material (OD in.)	Nom. Weight (Lbs./Ft.)	Nom. Imp. (Ω)	Nom. Cap. (pF/Ft.)	Suggested Operating Temp. Range (°C) Non UL	Max. Oper. Voltage (RMS) Non UL
RG-6 Type *(continued)*												
RG-6/U Type Messengered	**9119M**	6.21	Belden	1/.040″ CCS (28.0)	GIFPE (.180)	DBIII/60% AL (5.0)	PVC (.275 x .416)	.042	75	16.2	-40 to +80	300
RG-6/U Type	**9248**	6.38	Belden	1/.040″ BC (6.4)	GIFPE (.180)	DF/61% TC (5.0)	PVC (.270)	.031	75	16.2	-40 to +80	300
RG-6/U Type	**9290**	6.38	Belden	1/.037″ BC (0.1)	FPE (.180)	None/95% BC None/95% BC (2.0)	PVC (.288)	.054	75	17.3	-40 to +80	300
RG-6/U Type Plenum	**82120**	6.25	Belden	1/.040″ CCS (28.0)	FFEP (.170)	DF/95% TC (1.7)	FLM (.234)	.044	75	16.5	-20 to +75	300
RG-6/U Type Plenum	**82248**	6.38	Belden	1/.040″ BC (7.5)	FFEP (.170)	DF/63% TC (5.1)	FLM (.226)	.030	75	16.5	-20 to +75	300
RG-6/U Type Plenum	**87120**	6.25	Belden	1/.040″ CCS (28.0)	FFEP (.170)	DF/95% TC (1.7)	FCP (.234)	.043	75	16.5	-20 to +150	300
RG-6/U Type Plenum	**89120**	6.25	Belden	1/.040″ CCS (28.0)	FFEP (.170)	DF/95% TC (1.7)	FEP (.234)	.044	75	16.5	-70 to +200	300
RG-6/U Type Plenum	**89248**	6.38	Belden	1/.040″ BC (7.5)	FFEP (.170)	DF/63% TC (5.1)	FEP (.222)	.032	75	16.5	-70 to +200	300
RG-8 Type												
RG-8/U Type	**7733A**	6.66	Belden	1/.108″ BC (0.9)	FFEP (.280)	DF/90% TC (1.8)	FCP (.355)	.100	50	24.2	-20 to +150	300
RG-8/X Type RF240	**7808A**	6.59	Belden	1/.057″ BC (3.2)	GIFPE (.150)	DB/95% TC (3.5)	PE (.240)	.037	50	23.0	-40 to +80	300
RG-8/X Type RF240 Riser	**7808R**	6.59	Belden	1/.057″ BC (3.2)	GIFPE (.150)	DB/95% TC (3.5)	PVC (.240)	.041	50	23.0	-40 to +80	300
RG-8/X Type RF240 Burial	**7808WB**	6.59	Belden	1/.057″ BC (3.2)	GIFPE (.150)	DB/95% TC (3.5)	PE (.240)	.037	50	23.0	-40 to +80	300
RG-8/U Type RF400	**7810A**	6.61	Belden	1/.108″ BCCA (1.3)	GIFPE (.285)	DB/95% TC (1.8)	PE (.405)	.078	50	23.0	-40 to +80	300
RG-8/U Type RF400 Riser	**7810R**	6.61	Belden	1/.108″ BCCA (1.3)	GIFPE (.285)	DB/95% TC (1.8)	PVC (.405)	.090	50	23.0	-40 to +80	300
RG-8/U Type RF400 Burial	**7810WB**	6.61	Belden	1/.108″ BCCA (1.3)	GIFPE (.285)	DB/95% TC (1.8)	PE (.405)	.078	50	23.0	-40 to +80	300
RG-8/U Type	**8214**	6.65	Belden	7/.108″ BC (1.2)	FRFPE (.285)	None/97% BC (1.1)	PVC (.403)	.101	50	26.0	-40 to +80	300
RG-8/U Type	**8237**	6.65	JAN-C-17A	7/.085″ BC (1.9)	PE (.285)	None/97% BC (1.1)	PVC (.405)	.101	52	28.5	-40 to +80	3,700
RG-8A/U Type	**9251**	6.65	MIL-C-17D	7/.085″ BC (1.9)	PE (.285)	None/97% BC (1.2)	PVC-NC (.405)	.099	52	29.5	-40 to +80	3,700
RG-8/X Type	**9258**	6.65	Belden	19/.058″ BC (4.3)	GIFPE (.155)	None/95% BC (3.3)	PVC (.242)	.037	50	24.8	-40 to +80	300
RG-8/U Type Thick Ethernets	**9880**	6.79	Belden, DEC PN17-00451-00	1/.0855″ BC (1.4)	FPE (.243)	DBIV/94% TC, 90% TC	PVC (.405)	.116	50	26.0	-40 to +60	300
RG-8/U Type Triaxial	**9888**	6.86	Belden	7/.036″ BC (1.2)	FPE (.285)	Inner None/97% BC (1.2) Outer None/80% BC (2.1)	Inner PE (.370) Outer PE (.480)	.130	50	26.0	-55 to +80	300
RG-8/U Type	**9913**	6.66	Belden	1/.108″ BC (0.9)	SSPE (.286)	DBII/90% TC (1.8)	PVC (.405)	.104	50	24.6	-40 to +80	300
RG-8/U Type	**9913F7**	6.66	Belden	7/.036″ BC (1.1)	GIFPE (.285)	DB/95% TC (1.1)	BELFLEX (.405)	.088	50	24.6	-40 to +80	3700
RG-8/U Type	**9914**	6.66	Belden	1/.103″ BC (1.2)	GIFPE (.285)	DBII/95% TC (1.1)	PVC (.403)	.104	50	24.8	-40 to +80	300
RG-8/U Type Thick Ethernet Plenum	**89880**	6.79	Belden, DEC PN17-00324-00	1/.0855″ BC (1.4)	FFEP (.245)	DBIV/90% TC, 90% TC	FCP (.375)	.126	50	26.0	-25 to +150	300
RG-8/U Type Plenum	**89913**	6.66	Belden	1/.108″ BC (0.9)	SSFEP (.295)	DBII/90%TC (1.8)	FCP (.364)	.114	50	25.0	-20 to +150	300

*Inner conductors are entered as: number of strands/strand diameter (in inches).

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RG/11U Type

Cable Designation	Part No.	Page No.	Spec. Reference	Conductor Stranding/ Dia. & Type* (DCR/1000 Ft.)	Insulation Material (OD in.)	Shield Type Tape/Braid (DCR/1000 Ft.)	Jacket Material (OD in.)	Nom. Weight (Lbs./Ft.)	Nom. Imp. (Ω)	Nom. Cap. (pF/Ft.)	Suggested Operating Temp. Range (°C) Non UL	Max. Oper. Voltage (RMS) Non UL
RG-11/U Type												
RG-11/U Type Plenum	**1153A**	6.28	Belden, IBM P/N1501908	1/.064″ CCS (11.0)	FFEP (.280)	DF/60% TC DF/40% TC (1.8)	FEP (.387)	.092	75	16.5	-70 to +200	300
RG-11/U Type	**1523A**	6.26	Belden	1/.064″ CCS (11.0)	GIFPE (.280)	DBII/60% AL (4.1)	PVC (.400)	.054	75	16.2	-40 to +80	300
RG-11/U Type	**1523AN**	6.26	Belden	1/.064″ CCS (11.0)	GIFPE (.280)	DBII/60% AL (4.1)	PVC (.400)	.054	75	16.2	-40 to +80	300
RG-11/U Type Plenum	**1523AP**	6.26	Belden	1/.064″ CCS (11.0)	FFEP (.274)	DBII/60% AL (4.1)	PVDF (.348)	.057	75	16.3	-20 to +150	300
RG-11/U Type Riser	**1523R**	6.26	Belden	1/.064″ CCS (11.0)	GIFPE (.280)	DBII/60% AL (4.1)	PVC (.400)	.054	75	16.2	-30 to +75	300
RG-11/U Type Messengered	**1524AM**	6.26	Belden	1/.064″ CCS (11.0)	GIFPE (.280)	DBII/60% AL (4.1)	PVC (.400 x .580)	.080	75	16.2	-40 to +80	300
RG-11/U Type Burial	**1525A**	6.26	Belden	1/.064″ CCS (11.0)	GIFPE (.280)	DBII/60% AL (4.1)	PE (.400)	.046	75	16.2	-55 to +80	300
RG-11/U Type	**1617A**	6.28	Belden	1/.064″ CCS (11.0)	GIFPE (.280)	DBIV/60% AL 40% AL (3.0)	PVC (.407)	.059	75	16.2	-40 to +80	300
RG-11/U Type	**1618A**	6.28	Belden	1/.064″ CCS (11.0)	GIFPE (.280)	DBIV/60% AL 40% AL (3.0)	PE (.407)	.053	75	16.2	-55 to +80	300
RG-11/U Type Messengered	**1619AM**	6.28	Belden	1/.064″ CCS (11.0)	GIFPE (.280)	DBIV/60% AL 40% AL (3.0)	PVC (.407 x .560)	.075	75	16.2	-40 to +80	300
RG-11/U Type Messengered	**1620AM**	6.28	Belden	1/.064″ CCS (11.0)	GIFPE (.280)	DBIV/60% AL 40% AL (3.0)	PVC (.407 x .560)	.078	75	16.2	-40 to +80	300
RG-11/U Type Triaxial High-Flex Version	**1858A**	6.52	Belden	19/.064″ BC (3.0)	FPE (.312)	Inner None/95% BC (1.2) Outer None/95% BC (1.4)	Inner PE (.405) Outer BELFX (.520)	.147	75	17.3	-50 to +80	300
RG-11/U Type Triaxial Plenum	**1859A**	6.52	Belden	19/.064″ BC (3.0)	FFEP (.285)	Inner None/95% (1.4) Outer None/87% (1.4)	Inner FCP (.350) Outer FCP (.406)	.128	75	16.5	-20 to +125	300
RG-11/U Type	**3094A**	6.80	Belden	1/.064″ CCS (11.0)	FPE (.280)	DBIV/60% AL 40% AL (1.8)	PVC (.407)	.062	75	16.2	-40 to +80	600
RG-11/U Type	**3095A**	6.81	Belden	1/.064″ CCS (11.0)	FFPE (.280)	DBIV/60% AL 40% AL (1.8)	FCP (.387)	.076	75	16.5	-20 to +150	300
RG-11/U Type	**7731A**	6.44	Belden	1/.064″ BC (2.5)	GIFPE (.280)	DF/95% TC (1.5)	PVC (.400)	.081	75	16.0	-40 to +75	300
RG-11/U Type Plenum	**7732A**	6.44	Belden	1/.064″ BC (2.5)	FFEP (.274)	DF/95% TC (2.5)	FCP (.348)	.075	75	16.3	-20 to +150	300
RG-11/U Type Triax Flooded	**7803A**	6.53	Belden	1/.064″ BC (2.5)	GIFPE (.285)	Inner None/95% BC (1.6) Outer None/95% BC (1.4)	Inner PE (.365) Outer PE (.475)	.112	75	16.1	-55 to +80	300
RG-11/U Type	**8213**	6.39	Belden	1/.064″ BC (2.5)	GIFPE (.285)	None/97% BC (1.1)	PE (.405)	.079	75	16.1	-55 to +80	300
RG-11/U Type Triaxial	**8233**	6.53	Belden	1/.064″ BC (2.5)	GIFPE (.285)	Inner None/95% BC (1.4) Outer None/80% BC (1.4)	Inner PE (.365) Outer PE (.475)	.113	75	16.1	-55 to +80	300

*Inner conductors are entered as: number of strands/strand diameter (in inches).

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RG/11U and RG-58 Types

Cable Designation	Part No.	Page No.	Spec. Reference	Conductor Stranding/ Dia. & Type* (DCR/1000 Ft.)	Insulation Material (OD in.)	Shield Type Tape/Braid (DCR/1000 Ft.)	Jacket Material (OD in.)	Nom. Weight (Lbs./Ft.)	Nom. Imp. (Ω)	Nom. Cap. (pF/Ft.)	Suggested Operating Temp. Range (°C) Non UL	Max. Oper. Voltage (RMS) Non UL
RG-11/U Type *(continued)*												
RG-11/U Type Triaxial	**8233A**	6.53	Belden	1/.064″ BC (2.5)	GIFPE (.285)	Inner None/95% BC (1.4) Outer None/80% BC (1.4)	Inner PVC (.365) Outer PVC (.475)	.113	75	16.1	-40 to +80	300
RG-11/U Type	**8238**	6.39	JAN-C-17A	7/.048″ TC (6.1)	FRSFPE (.285)	None/97% BC (1.2)	PVC (.405)	.099	75	20.5	-40 to +80	300
RG-11A/U Type	**8261**	6.39	MIL-C-17D	7/.048″ TC (6.1)	PE (.285)	None/97% BC (1.2)	PVC-NC (.405)	.090	75	20.5	-40 to +60	3,700
RG-11/U Type	**9011**	6.26	Belden	1/.064″ CCS (11.0)	GIFPE (.280)	DF/40% AL (5.3)	PVC (.400)	.060	75	16.2	-40 to +80	300
RG-11/U Type	**9064**	6.27	Belden	1/.064″ CCS (11.0)	GIFPE (.280)	DB+/77% AL (3.8)	PVC (.400)	.062	75	16.2	-40 to +80	300
RG-11/U Type Messengered	**9065M**	6.27	Belden	1/.064″ CCS (11.0)	GIFPE (.280)	DB+/77% AL (3.8)	PVC (.400 x .580)	.080	75	16.2	-40 to +80	300
RG-11/U Type Triaxial	**9192**	6.52	Belden	19/.064″ BC (3.3)	FPE (.312)	Inner None/90% BC (1.6) Outer None/82% BC (1.7)	Inner PE (.390) Outer PVC (.520)	.134	75	17.3	-40 to +80	300
RG-11/U QPL M17/6-RG11	**9212**	6.75	MIL-C-17G	7/.048″ TC (6.1)	PE (.285)	None/97% BC (1.2)	PVC-NC (.405)	.090	75	20.5	-40 to +85	3,700
RG-11/U Type Triaxial	**9232**	6.52	Belden	19/.064″ BC (3.0)	FPE (.312)	Inner None/90% BC (1.6) Outer None/82% BC (1.7)	Inner PE (.390) Outer H (.520)	.140	75	17.3	-20 to +80	300
RG-11/U Type	**9292**	6.39	Belden	1/.064″ BC (2.5)	FPE (.280)	DF/61% TC (2.8)	PVC (.405)	.077	75	18.1	-40 to +80	300
RG-11/U Type Burial	**9764**	6.27	Belden	1/.064″ CCS (11.0)	GIFPE (.280)	DB+/77% AL (3.8)	PE (.400)	.056	75	16.2	-55 to +80	300
RG-11/U Type Plenum	**89292**	6.39	Belden	1/.064″ BC (2.5)	FFEP (.274)	DF/63% TC (2.9)	FEP (.348)	.073	75	16.3	-70 to +200	300
RG-58 Type												
RG-58/U Type RF195	**7806A**	6.58	Belden	1/.037″ BC (7.6)	GIFPE (.110)	DF/90% TC (4.2)	PE (.195)	.024	50	24.3	-40 to +80	300
RG-58/U Type RF195 Riser	**7806R**	6.58	Belden	1/.037″ BC (7.6)	GIFPE (.110)	DF/90% TC (4.2)	PVC (.195)	.026	50	24.3	-40 to +80	300
RG-58/U Type RF200	**7807A**	6.58	Belden	1/.044″ BC (3.3)	GIFPE (.116)	DF/95% TC (4.2)	PE (.195)	.025	50	23.5	-40 to +80	300
RG-58/U Type RF200 Riser	**7807R**	6.58	Belden	1/.044″ BC (3.3)	GIFPE (.116)	DF/95% TC (4.2)	PVC (.195)	.028	50	23.5	-40 to +80	300
RG-58A/U Type	**8219**	6.64	Belden	19/.037″ TC (8.8)	FPE (.114)	None/96% TC (4.1)	PVC (.194)	.025	53	26.5	-40 to +80	300
RG-58/U	**8240**	6.64	JAN-C-17A	1/.033″ BC (10.0)	PE (.116)	None/95% TC (4.1)	PVC (.193)	.025	51	28.5	-40 to +80	1,400
RG-58A/U Type	**8259**	6.64	JAN-C-17A	19/.035″ TC (10.8)	PE (.116)	None/95% TC (4.1)	PVC (.192)	.024	50	30.8	-40 to +75	1,400
RG-58C/U QPL M17/155/U QPL	**8262**	6.73	MIL-C-17G	19/.035″ TC (10.8)	PE (.115)	None/95% TC (4.1)	PVC-NC (.195)	.026	50	30.8	-40 to +85	1,400
RG-58/U Type	**9201**	6.63	Belden	1/.033″ BC (10.0)	PE (.116)	None/78% BC (5.5)	PVC (.193)	.022	52	29.7	-40 to +80	1,400
RG-58/U QPL M17/28-RG058	**9203**	6.73	MIL-C-17G	19/.035″ TC (10.8)	PE (.116)	None/95% TC (4.1)	PVC-NC (.195)	.025	50	30.8	-40 to +85	1,400

*Inner conductors are entered as: number of strands/strand diameter (in inches).

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RG-58 and RG-59/U Types

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RG-58 Type *(continued)*												
RG-58A/U Type Triaxial	**9222**	6.86	Belden	7/.0126″ TC (9.5)	PE (.114)	Inner None/95% TC (4.7) Outer None/85% TC (4.3)	Inner PE (.175) Outer PVC (.240)	.037	50	30.8	-40 to +75	1,400
RG-58/U Type	**9223**	6.78	Belden	7/.030″ TC (10.8)	PE (.112)	DB/95% TC (4.1)	PVC (.195)	.026	50	37.0	-40 to +80	1,900
RG-58A/U Type	**9310**	6.63	Belden	1/.033″ BC (10.0)	PE (.114)	DBII/55% TC (14.0)	PVC (.193)	.020	50	30.8	-40 to +80	1,400
RG-58A/U Type	**9311**	6.64	Belden	19/.037″ TC (8.8)	FPE (.114)	DBII/55% TC (17.0)	PVC (.193)	.018	52	26.0	-40 to +80	300
RG-58/U Type Thin Ethernets	**9907**	6.79	DEC P/N 17-01248-00	19/.037″ TC (8.8)	FPE (.102)	DBII/93% TC (5.8)	PVC (.185)	.022	50	25.4	-40 to +75	300
RG-58/U Type Plenum	**82240**	6.64	Belden	1/.032″ BC (10.2)	FEP (.107)	None/95% TC (6.7)	FLM (.159)	.025	53	27.5	-20 to +75	1,400
RG-58/U Type Thin Ethernets Plenum	**82907**	6.79	Belden	19/.0375″ TC (8.8)	FFEP (.095)	DBII/94% TC (5.8)	FLM (.160)	.022	50	26.0	-20 to +75	300
RG-58/U Type Plenum	**88240**	6.64	Belden	1/.032″ BC (10.2)	FEP (.107)	None/95%TC (6.7)	FEP (.159)	.027	53.5	26.4	-70 to +200	1,400
RG-58/U Type Thin Ethernet Plenum	**89907**	6.79	DEC P/N 17-01246-00	19/.0375″ TC (8.8)	FFEP (.095)	DBII/94% TC (5.8)	FCP (.160)	.022	50	26.0	-20 to +150	300
RG-59/U Type												
RG-59/U Type Plenum	**1151A**	6.18	Belden, IBM P/N 1501917	1/.032″ CCS (26.0)	FFEP (.140)	DF/52% TC DF/34% TC (2.3)	FEP (.236)	.035	75	16.5	-70 to +200	300
RG-59/U Type	**1186A**	6.17	Belden	1/.032″ CCS (44.5)	GIFPE (.144)	DBIV/67% AL 40% AL (7.0)	PVC (.265)	.025	75	16.2	-40 to +80	300
RG-59/U Type	**1426A**	6.37	Belden	1/.032″ BC (10.0)	GIFPE (.145)	None/95% BC (2.6)	PVC (.242)	.038	75	16.3	-30 to +75	300
RG-59/U Type	**1505A**	6.29	Belden	1/.032″ BC (10.0)	GIFPE (.145)	DF/95% BC (3.18)	PVC (.234)	.036	75	16.3	-30 to +75	300
RG-59/U Type	**1505F**	6.29	Belden	7/.011″ BC (12.2)	GIFPE (.145)	None/94% BC (2.4) None/94% BC (2.4)	PVC (.242)	.040	75	17.0	-20 to +60	300
RG-59/U Type Plenum	**1506A**	6.42	Belden	1/.032″ BC (10.0)	FFEP (.133)	DF/95% TC (3.8)	FLM (.199)	.033	75	16.0	0 to +75	300
RG-59/U Type	**1830A**	6.31	Belden	1/.032″ CCS (44.5)	GIFPE (.144)	DBII/40% AL (17.0)	PVC (.237)	.021	75	16.2	-40 to +80	300
RG-59/U Type Triaxial	**1856A**	6.51	Belden	1/.032″ BC (10.6)	GIFPE (.145)	Inner None/95% BC (2.5) Outer None/95% BC (1.6)	Inner PE (.216) Outer BELFX (.360)	.076	75	16.2	-50 to +80	300
RG-59/U Type Triax	**1856B**	6.51	Belden	1/.032″ BC (10.1)	GIFPE (.145)	Inner None/95% BC (2.5) Outer None/95% BC (1.6)	Inner PVC (.216) Outer BELFX (.360)	.073	75	16.2	-35 to +75	300
RG-59/U Type Triaxial High-Flex Version	**1857A**	6.50	Belden	19/.031″ BC (14.0)	GIFPE (.143)	Inner None/95% BC (2.5) Outer None/90% BC (1.6)	Inner PE (.216) Outer BELFX (.360)	.076	75	17.0	-50 to +80	300

*Inner conductors are entered as: number of strands/strand diameter (in inches).

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RG-59/U Type

Cable Designation	Part No.	Page No.	Spec. Reference	Conductor Stranding/ Dia. & Type* (DCR/1000 Ft.)	Insulation Material (OD in.)	Shield Type Tape/Braid (DCR/1000 Ft.)	Jacket Material (OD in.)	Nom. Weight (Lbs./Ft.)	Nom. Imp. (Ω)	Nom. Cap. (pF/Ft.)	Suggested Operating Temp. Range (°C) Non UL	Max. Oper. Voltage (RMS) Non UL
RG-59/U Type *(continued)*												
RG-59/U Type	**7721A**	6.30	Belden	1/.032″ SPC (10.1)	GIFPE (.145)	DBII/95% TC (3.5)	PVC (.235 x .511)	.057	75	16.2	-0 to +80	300
RG-59/U Type	**8212**	6.37	Belden	1/.032″ CCS (44.5)	FPE (.143)	None/95% BC (2.6)	PE (.242)	.030	75	17.3	-55 to +80	300
RG-59/U Type	**8221**	6.36	Belden	1/.0253″ CCS (55.0)	FPE (.146)	None/95% BC (2.6)	PVC (.242)	.032	80	16.3	-40 to +75	300
RG-59/U Type Triaxial	**8232**	6.50	Belden	1/.032″ BC (10.0)	GIFPE (.145)	Inner None/95% BC (2.5) Outer None/80% BC (2.8)	Inner PE (.225) Outer PE (.315)	.053	75	16.3	-55 to +80	300
RG-59/U Type Triaxial	**8232A**	6.50	Belden	1/.032″ BC (10.0)	GIFPE (.145)	Inner None/96% BC (2.5) Outer None/80% BC (2.8)	Inner PVC (.226) Outer PVC (.315)	.065	75	16.3	0 to +75	300
RG-59/U Type	**8241**	6.35	Belden	1/.023″ CCS (47.0)	PE (.146)	None/95% BC (2.6)	PVC (.241)	.036	75	20.5	-40 to +80	1,700
RG-59/U Type	**8241A**	6.35	Belden	1/.023″ CCS (47.0)	FRSFPE (.146)	None/95% BC (2.6)	PVC (.242)	.039	75	20.5	-40 to +80	300
RG-59/U Type	**8241B**	6.35	Belden	1/.0228″ BC (20.0)	PE (.146)	None/95% BC (2.9)	PVC (.242)	.034	75	20.5	-40 to +80	1,700
RG-59/U Type	**8241F**	6.35	Belden	7/.030″ BC (15.0)	FPE (.146)	None/95% BC (2.6)	PVC-M (.241)	.032	75	17.3	-30 to +60	300
RG-59B/U Type	**8263**	6.36	MIL-C-17D	1/.023″ CC (47.0)	PE (.146)	None/95% BC (2.6)	PVC-NC (.241)	.035	75	20.5	-40 to +60	1,700
RG-59/U Type Precision	**8279**	6.41	Belden	7/.023″ BC (19.1)	PE (.146)	None/95% TC (4.5)	PE (.220)	.026	75	20.5	-55 to +80	2,300
RG-59/U Type Precision Video	**8281**	6.30	Belden	1/.032″ BC (9.9)	PE (.198)	None/97% TC None/95% TC (1.1)	PE (.305)	.068	75	20.5	-55 to +80	2,900
RG-59/U Type Precision Video	**8281B**	6.30	Belden	1/.032″ BC (9.9)	FRSFPE (.198)	None/97% TC None/95% TC (1.1)	PVC (.305)	.076	75	20.5	-40 to +80	300
RG-59/U Type Precision Video	**8281F**	6.30	Belden	7/.0315″ BC (11.8)	PE (.193)	None/97% TC None/95% TC (1.7)	PVC-M (.304)	.060	75	20.5	-20 to +60	2,900
RG-59/U Type	**9100**	6.16	Belden	1/.032″ CCS (44.5)	GIFPE (.144)	DBII/40% AL (17.0)	PVC (.237)	.020	75	16.2	-40 to +80	300
RG-59/U Type	**9104**	6.17	Belden	1/.032″ CCS (44.5)	GIFPE (.144)	DBII/67% AL (12.0)	PVC (.237)	.022	75	16.2	-40 to +80	300
RG-59/U Type	**9104N**	6.17	Belden	1/.032″ CCS (44.5)	GIFPE (.144)	DBII/67% AL (12.0)	PVC (.237)	.022	75	16.2	-40 to +80	300
RG-59/U Type Plenum	**9104P**	6.17	Belden	1/.032″ CCS (44.5)	FFEP (.140)	DBII/67% AL (12.0)	FLM (.203)	.020	75	16.3	-20 to +75	300
RG-59/U Type	**9110**	6.17	Belden	1/.032″ CCS (44.5)	GIFPE (.144)	DBIII/67% AL (11.0)	PVC (.242)	.022	75	16.2	-40 to +80	300
RG-59/U Type Precision Video	**9141**	6.43	Belden	1/.032″ BC (9.9)	PE (.200)	None/97% TC None/95% TC (1.1)	PE (.305)	.068	75	20.0	-55 to +80	2,900
RG-59/U Type	**9167**	6.29	Belden	1/.032″ SCCS (25.8)	GIFPE (.144)	DB+/95% AL (4.5)	PVC (.242)	.028	75	16.2	-40 to +80	300
RG-59/U QPL M17/29-RG59	**9204**	6.75	MIL-C-17G	1/.023″ CCS (47.0)	PE (.146)	None/95% BC (2.6)	PVC-NC (.241)	.034	75	20.5	-40 to +85	1,700
RG-59/U Type Precision Video	**9209**	6.41	Belden	1/.02275″ BC (20.4)	PE (.146)	DF/95% TC (4.5)	PE (.220)	.027	75	20.5	-55 to +80	2,300

*Inner conductors are entered as: number of strands/strand diameter (in inches).

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RG-59/U and RG-62 Types

Cable Designation	Part No.	Page No.	Spec. Reference	Conductor Stranding/ Dia. & Type* (DCR/1000 Ft.)	Insulation Material (OD in.)	Shield Type Tape/Braid (DCR/1000 Ft.)	Jacket Material (OD in.)	Nom. Weight (Lbs./Ft.)	Nom. Imp. (Ω)	Nom. Cap. (pF/Ft.)	Suggested Operating Temp. Range (°C) Non UL	Max. Oper. Voltage (RMS) Non UL
RG-59/U Type *(continued)*												
RG-59/U Type Precision Video	**9209A**	6.41	Belden	1/.02275″ BC (20.4)	FRSFPE (.146)	DF/95% TC (4.5)	PVC (.220)	.031	75	20.5	-40 to +80	300
RG-59/U Type	**9224**	6.78	Belden	1/.025″ BCCS (54.0)	PE (.146)	None/93% BC (2.5)	PVC (.242)	.038	75	22.0	-40 to +75	1,900
RG-59/U Type Precision Video	**9231**	6.42	W/E 728B	1/.031″ BC (9.9)	PE (.198)	None/97% TC None/95% TC (1.1)	PVC-NC (.305)	.071	75	20.5	-40 to +80	2,900
RG-59/U Type	**9240**	6.37	Belden	1/.032″ CCS (61.5)	FPE (.143)	None/80% BC (5.6)	PVC (.241)	.028	75	17.3	-40 to +75	300
RG-59/U Type	**9244**	6.36	Belden	1/.0253″ CCS (50.0)	PE (.146)	None/85% BC (4.5)	PVC (.242)	.034	75	19.4	-40 to +80	1,700
RG-59/U Type	**9259**	6.36	Belden	7/.030″ BC (15.0)	FPE (.146)	None/95% BC (2.6)	PVC (.242)	.033	75	17.3	-40 to +80	300
RG-59/U Type Triaxial	**9267**	6.51	Belden	1/.033″ BC (10.1)	GIFPE (.146)	Inner None/95% BC (2.5) Outer None/80% BC (2.6)	Inner PE (.216) Outer H (.360)	.079	75	17.3	-20 to +80	300
RG-59/U Type	**9274**	6.37	Belden	1/.032″ CCS (44.5)	FPE (.143)	None/95% BC (2.6)	PVC (.240)	.030	75	17.3	-40 to +80	300
RG-59/U Type	**9275**	6.16	Belden	1/.032″ CCS (44.5)	GIFPE (.144)	DF/40% AL (17.0)	PVC (.237)	.023	75	16.2	-40 to +80	300
RG-59/U Type Dual	**9555**	6.80	Belden	1/.023″ CCS (50.0)	FRSFPE (.146)	None/95% BC (2.6)	PVC (.238 x .478)	.075	75	20.5	-40 to +80	1,700
RG-59/U Type	**9659**	6.36	Belden	7/.030″ BC (15.0)	FPE (.146)	None/95% BC (2.6)	PVC-NC (.242)	.033	75	17.3	-40 to +80	300
RG-59/U Type Plenum	**82108**	6.18	Belden	1/.032″ CCS (26.0)	FFEP (.140)	DF/96% TC (2.6)	FLM (.202)	.039	75	16.5	-20 to +75	300
RG-59/U Type Plenum	**82241**	6.35	Belden	1/.023″ CCS (52.0)	FEP (.134)	None/97% BC (2.6)	FLM (.193)	.035	75	19.5	-20 to +75	1,700
RB-59/U Type Plenum	**82259**	6.36	Belden	7/.030″ BC (15.0)	FFEP (.135)	None/95% BC (2.6)	FLM (.193)	.030	75	17.3	-20 to +75	300
RG-59/U Type Plenum	**88241**	6.35	Belden	1/.023″ CCS (52.0)	FEP (.134)	None/97% BC (2.6)	FEP (.193)	.037	75	19.5	-70 to +200	1,700
RG-59/U Type Plenum Triax	**88232**	6.50	Belden	1/.032″ BC (34.5)	FFEP (.140)	Inner None/95% BC (2.6) None/95% BC (2.6)	Inner FEP (.188) Outer FEP (.246)	.058	75	16.7	-70 to +200	300
RG-59/U Type Precision Video Plenum	**88281**	6.43	Belden	1/.032″ BC (9.9)	FEP (.185)	None/98% TC None/96% TC (1.1)	FCP (.271)	.082	75	19.5	-20 to +150	2,900
RG-59/U Type Plenum	**89108**	6.18	Belden	1/.032″ CCS (26.0)	FFEP (.140)	DF/96% TC (2.6)	FEP (.203)	.035	75	16.5	-70 to +200	300
RG-59/U Type Plenum	**89259**	6.36	Belden	7/.030″ BC (15.0)	FFEP (.135)	None/95% BC (2.6)	FEP (.193)	.033	75	17.3	-70 to +200	300
RG-59/U Type Dual Plenum	**89555**	6.80	Belden	1/.023″ CCS (50.0)	FEP (.134)	None/95% BC (2.6)	FEP (.212 x .424)	.086	75	19.5	-70 to +200	1,700
RG-62 Type												
RG-62/U Type	**8254**	6.81	JAN-C-17A	1/.0253″ CCS (41.2)	SSPE (.146)	None/95% BC (2.9)	PVC (.238)	.032	93	13.5	-40 to +80	750
RG-62B/U Type	**8255**	6.81	MIL-C-17D	7/.024″ CCS (59.0)	SSPE (.146)	None/95% BC (2.9)	PVC-NC (.242)	.032	93	13.5	-40 to +80	750
RG-62A/U Type	**9228**	6.81	Belden	1/.0253″ CCS (41.2)	SSPE (.146)	None/95% BC (2.9)	HDPE (.242)	.033	93	13.5	-55 to +80	750
RG-62A/U Type	**9268**	6.81	Belden, IBM P/N 5252750	1/.0253″ CCS (41.2)	SSPE (.146)	None/95% BC (2.9)	PVC (.260)	.037	93	13.5	-40 to +80	750

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RG-62 and Other Misc. RG Types

Cable Designation	Part No.	Page No.	Spec. Reference	Conductor Stranding/ Dia. & Type* (DCR/1000 Ft.)	Insulation Material (OD in.)	Shield Type Tape/Braid (DCR/1000 Ft.)	Jacket Material (OD in.)	Nom. Weight (Lbs./Ft.)	Nom. Imp. (Ω)	Nom. Cap. (pF/Ft.)	Suggested Operating Temp. Range (°C) Non UL	Max. Oper. Voltage (RMS) Non UL
RG-62 Type *(continued)*												
RG62A/U Type	**9269**	6.81	Belden, IBM P/N 323921	1/.0253″ CCS (41.2)	SSPE (.146)	None/95% BC (2.9)	PVC (.239)	.034	93	13.5	-40 to +80	750
RG-62/U QPL M17/30-RG62	**9862**	6.76	MIL-C-17G	1/.0263″ CCS (41.2)	SSPE (.146)	None/95% BC (2.9)	PVC-NC (.242)	.033	93	13.5	-40 to +80	750
RG-62/U Type Plenum	**82262**	6.82	Belden	1/.025″ CCS (41.2)	FFEP (.146)	None/94% BC (3.4)	FLM (.204)	.030	93	12.8	-20 to +75	300
RG-62/U Type Plenum	**82269**	6.82	Belden	1/.025″ CCS (41.2)	SSFEP (.142)	None/94% BC (3.4)	FLM (.200)	.030	93	12.8	-20 to +75	300
RG-62U Type Plenum	**86262**	6.82	Belden, IBM P/N48855841I	1/.025″ CCS (41.2)	FFEP (.146)	None/94% BC (3.4)	FEP (.204)	.032	93	12.8	-70 to +200	300
RG-62/U Type Plenum	**87269**	6.82	Belden	1/.025″ CCS (41.2)	SSFEP (.142)	None/94% BC (3.4)	FCP (.200)	.031	93	12.8	-20 to +150	300
RG-62/U Type Plenum	**89269**	6.82	Belden, IBM P/N4885584I	1/.025″ CCS (41.2)	SSFEP (.142)	None/94% BC (3.4)	FEP (.200)	.033	93	12.8	-70 to +200	300
Other Misc. RG Types												
RG-63/ U QPL M17/31-RG63	**9857**	6.76	MIL-C-17G	1/.0253″ CCS (41.2)	SSPE (.285)	None/97% BC (1.2)	PVC-NC (.405)	.087	125	9.7	-40 to +80	750
RG-71/U QPL M17/90-RG71	**9169**	6.76	MIL-C-17G	1/.0253″ CCS (41.2)	SSPE (.146)	None/95% BC None/94% TC (1.5)	PE (.245)	.046	93	13.5	-55 to +85	750
RG-122/U QPL M17/157-00001	**9252**	6.72	MIL-C-17G	27/.030″ TC (17.1)	PE (.096)	None/95% TC (5.2)	PVC-NC (.160)	.017	50	30.8	-40 to +85	1,400
RG-142B/U QPL M17/158-00001	**83242**	6.73	MIL-C-17G	1/.037″ SCCS (19.3)	TFE (.116)	None/96% SC None/95% SC (2.3)	FEP (.195)	.043	50	29.0	-70 to +200	1,400
RG-142/U QPL M17/60-RG142	**84142**	6.73	MIL-C-17G	1/.037″ SCCS (19.3)	TFE (.116) (2.3)	None/96% SC None/95% SC	FEP (.195)	.043	50	29.2	-70 to +200	1,400
RG-174/U Type RF100	**7805**	6.57	Belden	1/.018″ BC (32.0)	PE (.061)	DF/90% TC (9.1)	PVC (.110)	.010	50	31.2	-40 to +80	1100
RG-174/U Type RF 100 Low Loss	**7805R**	6.57	Belden	1/.0195″ BC (27.3)	FPE (.060)	DF/90% TC (9.4)	PVC (.110)	.010	50	26.2	-40 to +80	300
RG-174/U Type	**8216**	6.63	MIL-C-17F	7/.019″ CCS (97.0)	PE (.060)	None/90% TC (10.7)	PVC (.110)	.008	50	30.8	-40 to +75	1,100
RG-174/U Type	**9239**	6.78	Belden	7/.019″ BCCS (97.0)	PE (.044)	None/90% TC (14.0)	PVC (.101)	.008	50	38.0	-40 to +60	1,100
RG-178B/U QPL M17/169-00001	**83265**	6.72	MIL-C-17G	7/.012″ SCCS (244.0)	TFE (.033)	None/95% SC (14.6)	FEP (.071)	.005	50	29.0	-70 to +200	750
RG-179/U QPL M17/94-RG179	**83264**	6.75	MIL-C-17G	7/.012″ SCCS (244.0)	TFE (.062)	None/95% SC (8.5)	FEP (.100)	.010	75	19.5	-70 to +200	900
RG-180/U QPL M17/95-RG 180	**83266**	6.76	MIL-C-17G	7/.012″ SCCS (344.0)	TFE (.102)	None/91% SC (6.5)	FEP (.141)	.018	95	15.0	-70 to +200	1,100
RG-187A/U Type	**83267**	6.80	MIL-C-17D	7/.012″ SCCS (258.0)	TFE (.063)	None/95% SC (8.5)	TFE-T (.111)	.010	75	19.5	-70 to +200	900
RG-188A/U Type	**83269**	6.63	MIL-C-17D	7/.020″ SCCS (91.2)	TFE (.058)	None/96% SC (8.5)	TFE-T (.108)	.011	50	29.0	-70 to +200	900
RG-212/U QPL M17/162-00001	**9861**	6.74	MIL-C-17G	1/.0556″ SC (3.3)	PE (.185)	None/95% SC None/95% SC (1.1)	PVC-NC (.332)	.081	50	30.8	-40 to +80	2,200
RG-213/U QPL M17/163-00001	**8267**	6.74	MIL-C-17G	7/.089″ BC (1.7)	PE (.285)	None/97% BC (1.2)	PVC-NC (.405)	.102	50	30.8	-40 to +80	3,700
RG-214/U QPL M17/164-00001	**8268**	6.74	MIL-C-17G	7/.089″ SC (1.7)	PE (.285)	None/95% SC None/97% SC (.7)	PVC-NC (.425)	.128	50	30.8	-40 to +80	3,700
RG-216/U QPL M17/77-RG216	**9850**	6.75	MIL-C-17G	7/.048″ TC (6.1)	PE (.185)	None/95% BC None/95% BC (.8)	PVC-NC (.425)	.122	75	20.5	-40 to +80	3,700

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Misc. RG Types, Miniature and Bundled Coax

Cable Designation	Part No.	Page No.	Spec. Reference	Conductor Stranding/ Dia. & Type* (DCR/1000 Ft.)	Insulation Material (OD in.)	Shield Type Tape/Braid (DCR/1000 Ft.)	Jacket Material (OD in.)	Nom. Weight (Lbs./Ft.)	Nom. Imp. (Ω)	Nom. Cap. (pF/Ft.)	Suggested Operating Temp. Range (°C) Non UL	Max. Oper. Voltage (RMS) Non UL
Other Misc. RG Types *(continued)*												
RG-223/U QPL M17/167-00001	**9273**	6.73	MIL-C-17G	1/.034″ SC (8.8)	PE (.117)	None/95% SC None/95% SC (2.5)	PVC-NC (.212)	.036	50	30.8	-40 to +60	1,700
RG-303/U QPL M17/111-RG303	**84303**	6.73	MIL-C-17G	1/.037″ SCCS (16.3)	TFE (.116)	None/95% SC (4.3)	FEP (.170)	.030	50	29.0	-70 to +200	1,400
RG-316/U QPL M17/172-00001	**83284**	6.72	MIL-C-17G	7/.020″ SCCS (84.1)	TFE (.058)	None/96.5% SC (6.5)	FEP (.098)	.010	50	29.0	-70 to +200	900
RG-316/U QPL M17/113-RG316	**84316**	6.72	MIL-C-17G	7/.020″ SCCS (84.1)	TFE (.058)	None/95% SC (6.5)	FEP (.098)	.010	50	29.2	-70 to +200	900
Miniature Coax												
Miniature Coax	**8218**	6.34	Belden	7/.017″ CCS (120.0)	PE (.100)	None/93% TC (6.5)	PVC (.150)	.014	75	20.5	-40 to +60	1700
Miniature Coax	**8700**	6.78	Belden	1/.013″ TC (66.9)	PP (.023)	None/90% BC (28.7)	PVC (.054)	.003	32	55.2	-30 to +105	300
Miniature Coax	**9221**	6.34	Belden	7/.012″ TC (100.0)	FPE (.058)	None/89% TC (11.7)	PVC (.097)	.006	75	17.3	-40 to +60	30
Miniature RG-59/U Type	**1855A**	6.40	Belden	1/.023″ BC (20.1)	GIFPE (.102)	DF/95% TC (7.6)	PVC (.159)	.018	75	16.5	-40 to +75	300
Miniature RG-59/U Type	**1865A**	6.40	Belden	19/.021″ BC (27.4)	GIFPE (.094)	DF/95% TC (5.4)	PVC (.150)	.014	75	16.5	-40 to +80	300
Bundled Coax												
Bundled Coax RG-59 Type Plenum RGB 3-Coaxial	**1824A**	6.48	Belden	7/.030″ BC (15.3)	FFEP (.135)	DF/95% TC (2.5)	FLM (.475)	.099	75	17.3	0 to +75	300
Bundled Coax RG-59 Type Plenum RGB 4-Coaxial	**1825A**	6.48	Belden	7/.030″ BC (15.3)	FFEP (.135)	DF/95% TC (2.5)	FLM (.527)	.132	75	16.5	0 to +60	300
Bundled Coax RG-59 Type Plenum RGB 5-Coaxial	**1826A**	6.48	Belden	7/.030″ BC (15.3)	FFEP (.135)	DF/95% TC (2.5)	FLM (.585)	.165	75	16.5	0 to +60	300
Bundled Coax Sub-Miniature RGB 3-Coaxial	**1520A**	6.47	Belden	7/.012″ TC (103.2)	FPE (.056)	DF/90% TC (9.5)	PVC (.283)	.042	75	17.3	-40 to +60	300
Bundled Coax Sub-Miniature RGB 4-Coaxial	**1521A**	6.47	Belden	7/.012″ TC (103.2)	FPE (.056)	DF/90% TC (9.5)	PVC (.310)	.050	75	17.3	-40 to +60	300
Bundled Coax Sub-Miniature RGB 5-Coaxial	**1522A**	6.47	Belden	7/.012″ TC (103.2)	FPE (.056)	DF/90% TC (9.5)	PVC (.338)	.058	75	17.3	-40 to +60	300
Bundled Coax Miniature RGB 3-Coaxial	**1406B**	6.47	Belden	7/.019″ BC (71.5)	FPE (.090)	DF/93% TC (8.6)	PVC (.388)	.064	75	17.3	-40 to +60	300
Bundled Coax Miniature RGB 4-Coaxial	**1407B**	6.47	Belden	7/.019″ BC (37.3)	FPE (.090)	DF/93% TC (8.6)	PVC (.455)	.088	75	17.3	-40 to +60	300
Bundled Coax Miniature RGB 5-Coaxial	**1417B**	6.47	Belden	7/.019″ BC (37.3)	FPE (.090)	DF/93% TC (8.6)	PVC (.477)	.102	75	17.3	-40 to +60	300
Bundled Coax Miniature RGB 3-Coaxial	**1164B**	6.48	Belden	7/.019″ BC (37.3)	FPE (.090)	DF/93% TC (8.6)	PVC (.388)	.066	75	17.3	-40 to +60	300
Bundled Coax Miniature RGB 4-Coaxial	**1167B**	6.48	Belden	7/.019″ BC (37.3)	FPE (.090)	DF/93% TC (8.6)	PVC (.455)	.090	75	17.3	-40 to +60	300
Bundled Coax Miniature RGB 5-Coaxial	**1418B**	6.48	Belden	7/.019″ BC (37.3)	FPE (.090)	DF/93% TC (8.6)	PVC (.477)	.104	75	17.3	-40 to +60	300
Bundled SDI Coax 3-Coaxial RG-6 Type	**7710A**	6.46	Belden	1/.040″ BC (6.4)	GIFPE (.180)	DF/95% TC (2.8)	PVC-M (.770)	.234	75	16.2	-40 to +60	300

*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.

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RG Coaxial and Triaxial Reference Guide

Bundled and SVHS Coax

Cable Designation	Part No.	Page No.	Spec. Reference	Conductor Stranding/ Dia. & Type* (DCR/1000 Ft.)	Insulation Material (OD in.)	Shield Type Tape/Braid (DCR/1000 Ft.)	Jacket Material (OD in.)	Nom. Weight (Lbs./Ft.)	Nom. Imp. (Ω)	Nom. Cap. (pF/Ft.)	Suggested Operating Temp. Range (°C) Non UL	Max. Oper. Voltage (RMS) Non UL
Bundled Coax *(continued)*												
Bundled SDI Coax 4-Coaxial RG-6 Type	**7711A**	6.46	Belden	1/.040″ BC (6.4)	GIFPE (.180)	DF/95% TC (2.8)	PVC-M (.843)	.303	75	16.2	-40 to +60	300
Bundled SDI Coax 5-Coaxial RG-6 Type	**7712A**	6.46	Belden	1/.040″ BC (6.4)	GIFPE (.180)	DF/95% TC (2.8)	PVC-M (.942)	.371	75	16.2	-40 to +60	300
Bundled SDI Coax 10-Coaxial RG-6 Type	**7713A**	6.46	Belden	1/.040″ BC (6.4)	GIFPE (.180)	DF/95% TC (2.8)	PVC-M (1.386)	.772	75	16.2	-40 to +60	300
RG-59/U Type Bundled 3-Coax (Miniature)	**7787A**	6.45	Belden	1/.023″ BC (20.1)	GIFPE (.102)	DF/95% TC (7.6)	PVC (.432)	.081	75	16.5	-35 to +75	300
RG-59/U Type Bundled 4-Coax (Miniature)	**7788A**	6.45	Belden	1/.023″ BC (20.1)	GIFPE (.102)	DF/95% TC (7.6)	PVC (.481)	.106	75	16.5	-35 to +75	300
RG-59/U Type Bundled 5-Coax (Miniature)	**7789A**	6.45	Belden	1/.023″ BC (20.1)	GIFPE (.102)	DF/95% TC (7.6)	PVC (.539)	.133	75	16.5	-35 to +75	300
RG-59/U Type Bundled 6-Coax (Miniature)	**7790A**	6.45	Belden	1/.023″ BC (20.1)	GIFPE (.102)	DF/95% TC (7.6)	PVC (.597)	.163	75	16.5	-35 to +75	300
RG-59/U Type Bundled 12-Coax (Miniature)	**7791A**	6.45	Belden	1/.023″ BC (20.1)	GIFPE (.102)	DF/95% TC (7.6)	PVC (.796)	.280	75	16.5	-35 to +75	300
RG-59/U Type Bundled 12-Coax (Miniature)	**7792A**	6.45	Belden	1/.023″ BC (20.1)	GIFPE (.102)	DF/95% TC (7.6)	PVC (.825)	.336	75	16.5	-35 to +75	300
RG-59/U Type Bundled 3-Coax	**7794A**	6.45	Belden	1/.032″ BC (10.0)	GIFPE (.145)	DF/95% TC (3.8)	PVC (.631)	.084	75	16.3	-35 to +75	300
RG-59/U Type Bundled 4-Coax	**7795A**	6.45	Belden	1/.032″ BC (10.0)	GIFPE (.145)	DF/95% TC (3.8)	PVC (.706)	.190	75	16.3	-35 to +75	300
RG-59/U Type Bundled 5-Coax	**7796A**	6.45	Belden	1/.032″ BC (10.0)	GIFPE (.145)	DF/95% TC (3.8)	PVC (.790)	.238	75	16.3	-35 to +75	300
RG-59/U Type Bundled 10-Coax	**7798A**	6.45	Belden	1/.032″ BC (10.0)	GIFPE (.145)	DF/95% TC (3.8)	PVC (1.160)	.501	75	16.3	-35 to +75	300
SVHS Coax												
Parallel Coax SVHS 2-Coaxial Plenum	**7700A**	6.49	Belden	7/.012″ TC (91.5)	FFEP (.053)	None/98% TC (7.4)	FLM (.107 x .214)	.017	75	17.3	-20 to +60	300
Parallel Coax SVHS 2-Coaxial High-Flex Design	**1807A**	6.49	Belden	7/.012″ TC (85.2)	FPE (.056)	None/90% TC (7.5)	PVC (.110 x .230)	.013	75	17.3	-40 to +60	300
Round SVHS 2-Coaxial High-Flex Design	**1808A**	6.49	Belden	7/.012″ TC (85.2)	FPE (.056)	None/90% TC (7.5)	PVC (.254)	.031	75	17.3	-40 to +60	300

*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.

Conductor Abbreviations
BC = Bare Copper
BCCA = Bare Copper-covered Aluminum
CCS = Copper-clad Steel
SC = Silver-coated copper
SCA = Silver-coated Alloy
SCCS = Silver-coated Copper-covered Steel
SPC = Silver-plated Copper
TC = Tinned Copper

Braid Abbreviations
AL = Aluminum
BC = Bare Copper
CT = Copper-Tin Composite
SC = Silver-coated copper
SPC = Silver-plated Copper
TC = Tinned Copper

Tape Abbreviations
BF = Beldfoil®
DB = Duobond®
DBII = Duobond II
DBIII = Duobond III
DBIV = Duobond IV
DB+ = Duobond Plus®
DF = Duofoil®
F = Foil

Insulation Abbreviations
FEP = Fluorinated Ethylene Propylene
FFEP = Foam FEP
FPE = Foam Polyethylene
FRSFPE = Flame-retardant Semi-foam Polyethylene
GIFPE = Gas-injected Foam Polyethylene
PE = Solid Polyethylene
PP = Solid Polypropylene
SSFEP = Semi-solid FEP
SSPE = Semi-solid Polyethylene
TFE = Tetrafluoroethylene

Jacket Abbreviations
BELFX = Belflex®
FCP = Fluorocopolymer
FEP = Fluorinated Ethylene Propylene
FG = Fiberglass
FLM = Flamarrest®
H = Hypalon®
HDPE = High-density Polyethylene
PE = Polyethylene
PVC = Polyvinyl Chloride
PVC-M = Matte finish Polyvinyl Chloride
PVC-NC = Non-contaminating Polyvinyl Chloride
TFE-T = Tetrafluoroethylene Tape Wrap

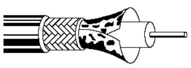
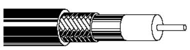
Hypalon is a DuPont trademark.

For information on coaxial cables not listed in this table, or for a comprehensive Connector Cross-Reference, please contact Belden Electronics Division, Technical Support at: **1-800-BELDEN-1**.

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Broadband Coax

MATV Cables
Series 59

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 Ft.	Nominal Attenuation dB/100m
Series 59 • 20 AWG Solid .032″ Bare Copper-covered Steel • Foil + Braid Shield																			
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket																			
80°C 	**9275**	NEC: CATV CM CEC: CM	U-500 500 U-1000▲ 1000	U-152.4 152.4 U-304.8 304.8	12.0 12.5 24.0 24.0	5.5 5.7 10.9 10.9	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/km	.144	3.66	Duofoil® + 40% Aluminum Braid 17.0Ω/M′ 55.8Ω/km	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.88		
													Sweep tested 5 MHz to 550 MHz.						
▲U-1000 ft. put-up also available in White.																			
80°C 	**9100**	NEC: CATV CM CEC: CM	U-500 U-1000▲ 1000	U-152.4 U-304.8 304.8	12.0 24.0 24.0	5.5 10.9 10.9	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/km	.144	3.66	Duobond® II + 40% Aluminum Braid 17.0Ω/M′ 55.8Ω/km	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.88		
													Sweep tested 5 MHz to 1 GHz.						
▲U-1000 ft. put-up also available in White.																			

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

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Broadband Coax

CATV Cables
Series 59

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

Series 59 • 20 AWG Solid .032″ Bare Copper-covered Steel • Duobond® + Aluminum Braid(s) Shield

Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	**9104**	NEC: CATV CM CEC: CM	U-1000▲ 1000▲	U-304.8 304.8	25.0 25.0	11.4 11.4	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/km	.144	3.66	Duobond II + 67% Aluminum Braid 12.0Ω/M′ 39.4Ω/km	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		

▲1000 ft. and U-1000 ft. put-ups also available in Beige and White.

80°C	**9104N** new		1000◆	304.8	25.0	11.4	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/km	.144	3.66	Duobond II + 67% Aluminum Braid 12.0Ω/M′ 39.4Ω/km	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		

◆1000 ft. put-up also available in White.

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C	**9104P**	NEC: CATV CMP CEC: CMP FT6	U-1000† 1000†	U-304.8 304.8	22.0 24.0	10.0 10.9	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/km	.140	3.56	Duobond II + 67% Aluminum Braid 12.0Ω/M′ 39.4Ω/km	.203	5.16	75	83%	16.3	53.5	1	.4	1.3
																	10	.8	2.6
																	50	1.8	5.9
																	100	2.6	8.5
																	200	3.8	12.5
																	400	5.6	18.4
																	700	7.6	24.9
																	900	8.8	28.9
																	1000	9.4	30.8
																	Sweep tested 5 MHz to 1 GHz.		

Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	**9110**	NEC: CATV CM CEC: CM	U-1000▲ 1000	U-304.8 304.8	25.0 26.0	11.4 11.8	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/km	.144	3.66	Duobond III + 67% Aluminum Braid 12.0Ω/M′ 39.4Ω/km	.242	6.15	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		

▲U-1000 ft. put-up also available in White.

80°C	**1186A**	NEC: CATV CM CEC: CM	1000	304.8	28.0	12.7	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/km	.144	3.66	Duobond IV* + 67% & 46% Aluminum Braids 7.0Ω/M′ 23.0Ω/km	.265	6.73	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

*Duobond IV = Duobond II + 67% aluminum braid + Duofoil® tape + 46% aluminum braid.

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

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Broadband Coax

CATV Cables
Series 59

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

Series 59 • 20 AWG Solid .032″ Bare Copper-covered Steel • Duofoil® + Tinned Copper Braid(s) Shield

Plenum • Foam FEP Insulation • Black FEP Jacket

200°C **89108**



NEC: CATVP CMP CEC: CMP FT6

500† 1000† | 152.4 304.8 | 19.0 38.0 | 8.6 17.3

20 AWG (solid) .032″ BCCS 26.0Ω/M′ 85.3Ω/km

.140 | 3.56

Duofoil + 96% TC Braid 2.6Ω/M′ 8.5Ω/km

.203 | 5.16

75 | 82% | 16.5 | 54.1

Sweep tested 5 MHz to 400 MHz.

MHz	dB/ 100 Ft.	dB/ 100m
1	.4	1.3
10	.8	2.6
50	1.8	5.9
100	2.6	8.5
200	3.8	12.5
400	5.6	18.4
700	7.6	24.9
900	8.8	28.9
1000	9.4	30.8

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C **82108**



NEC: CATVP CMP CEC: CMP FT6

U-1000† 1000† | U-304.8 304.8 | 35.0 35.0 | 15.9 15.9

20 AWG (solid) .032″ BCCS 26.0Ω/M′ 85.3Ω/km

.140 | 3.56

Duofoil + 96% TC Braid 2.6Ω/M′ 8.5Ω/km

.202 | 5.13

75 | 82% | 16.5 | 54.1

Sweep tested 5 MHz to 400 MHz.

MHz	dB/ 100 Ft.	dB/ 100m
1	.4	1.3
10	.8	2.6
50	1.8	5.9
100	2.6	8.5
200	3.8	12.5
400	5.6	18.4
700	7.6	24.9
900	8.8	28.9
1000	9.4	30.8

Plenum • Foam FEP Insulation • Snow Beige FEP Jacket

200°C **1151A**



NEC: CMP CEC: CMP FT6

1000† | 304.8 | 40.0 | 18.2

20 AWG (solid) .032″ BCCS 26.0Ω/M′ 85.3Ω/km

.140 | 3.56

(2) Duofoil Shields + (2) TC Braids 2.3Ω/M′ 7.5Ω/km

.236 | 5.99

75 | 84% | 16.5 | 54.1

Sweep tested 5 MHz to 400 MHz.

MHz	dB/ 100 Ft.	dB/ 100m
1	.4	1.3
10	.8	2.6
50	1.8	5.9
100	2.6	8.5
200	3.8	12.5
400	5.6	18.4
700	7.6	24.9
900	8.8	28.9
1000	9.4	30.8

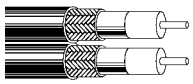
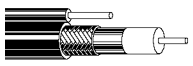
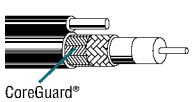
BCCS = Bare Copper-covered Steel • DCR = DC Resistance • TC = Tinned Copper

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

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Broadband Coax

CATV Cables
Series 6

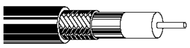
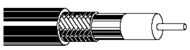
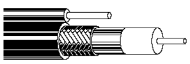
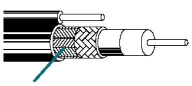
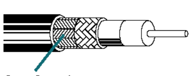
Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
Series 6 • 18 AWG Solid .040″ Bare Copper-covered Steel • Duobond® II + 60% Aluminum Braid Shield																			
Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)																			
Burial 80°C  CoreGuard®	**9066**		1000	304.8	27.0	12.3	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket																			
80°C 	**9116**	NEC: CATV CM CEC: CM	U-500▲ 500▲ U-1000♦ 1000♦	U-152.4 U-152.4 U-304.8 304.8	15.5 17.5 31.0 32.0	7.0 7.9 14.1 14.5	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		
▲500 ft. and U-500 ft. put-ups also available in White. ♦1000 ft. and U-1000 ft. put-ups also available in White or Beige.																			
80°C 	**9116N** new		1000	304.8	31.0	14.1	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		
80°C 	**9116R**	NEC: CATVR CMR CEC: CMR FT4	500 U-1000 1000	152.4 U-304.8 304.8	17.0 34.0 35.0	7.7 15.5 15.9	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		
Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket																			
75°C 	**9116P**	NEC: CATVP CMP CEC: CMP FT6	U-1000 1000	U-304.8 304.8	27.0 28.0	12.3 12.7	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.170	4.32	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.235	5.97	75	83%	16.3	53.5	1 10 50 100 200 400 700 900 1000	.3 .7 1.6 2.2 3.0 4.6 6.6 7.7 8.2	1.0 2.2 5.2 7.2 9.8 15.1 21.7 25.3 26.9
																	Sweep tested 5 MHz to 1 GHz.		
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket																			
80°C  CoreGuard®	**1545A**	NEC: CATV CM CEC: CM	U-1000 1000	U-304.8 304.8	32.0 32.0	14.5 14.5	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		
80°C 	**9077**	NEC: CATV CM CEC: CM	1000	304.8	64.0	29.1	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.270 x .590	6.86 x 14.99	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		
80°C  .051″ (1.3mm) galvanized steel messenger.	**9117M**		1000	304.8	44.0	20.0	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.270 x .410	6.86 x 10.41	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		
80°C  CoreGuard® .051″ (1.3mm) galvanized steel messenger.	**1258AM**		1000	304.8	45.0	20.5	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.270 x .410	6.86 x 10.41	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		

BCCS = Bare Copper-covered Steel • DCR = DC Resistance
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

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Broadband Coax

CATV Cables
Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
Series 6 • 18 AWG Solid .040″ Bare Copper-covered Steel • Duobond® II + 90% Aluminum Braid Shield																			
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket																			
80°C 	**1530A**	NEC: CATV CM CEC: CM	U-1000▲ 1000▲	U-304.8 304.8	32.0 33.0	14.5 15.0	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 90% Aluminum Braid 5.0Ω/M′ 16.4Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.88		
													Sweep tested 5 MHz to 1 GHz.						
▲1000 ft. and U-1000 ft. put-ups also available in Beige.																			
Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket																			
75°C 	**1530AP**	NEC: CATVP CMP CEC: CMP FT6	U-1000† 1000†	U-304.8 304.8	29.0 30.0	13.2 13.6	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.170	4.32	Duobond II + 90% Aluminum Braid 5.0Ω/M′ 16.4Ω/km	.235	5.97	75	83%	16.3	53.5	1 10 50 100 200 400 700 900 1000	.3 .7 1.6 2.2 3.0 4.6 6.6 7.7 8.2	1.0 2.2 5.2 7.2 9.8 15.1 21.7 25.3 26.9
													Sweep tested 5 MHz to 1 GHz.						
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket																			
80°C 	**1531AM**		1000	304.8	45.0	20.5	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 90% Aluminum Braid 5.0Ω/M′ 16.4Ω/km	.270 x .410	6.86 x 10.41	75	83%	16.2	53.1	See Chart on page 6.88		
													Sweep tested 5 MHz to 1 GHz.						
.051″ (1.3mm) galvanized steel messenger.																			
80°C  CoreGuard®	**1832AM**		1000	304.8	45.0	20.5	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 90% Aluminum Braid 5.0Ω/M′ 16.4Ω/km	.270 x .410	6.86 x 10.41	75	83%	16.2	53.1	See Chart on page 6.88		
													Sweep tested 5 MHz to 1 GHz.						
.051″ (1.3mm) galvanized steel messenger.																			
Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)																			
Burial 80°C  CoreGuard®	**1532A**		1000	304.8	28.0	12.7	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 90% Aluminum Braid 5.0Ω/M′ 16.4Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.88		
													Sweep tested 5 MHz to 1 GHz.						

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

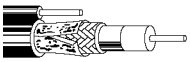
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†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

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Broadband Coax

CATV Cables
Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
Series 6 • 18 AWG Solid .040″ Bare Copper-covered Steel • Duobond® III + 60% Aluminum Braid Shield																			
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket																			
80°C	**9118**	NEC: CATV CM CEC: CM	U-1000▲ 1000	U-304.8 304.8	31.0 32.0	14.1 14.5	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond III + 60% Aluminum Braid 6.5Ω/M′ 21.3Ω/km	.275	6.99	75	83%	16.2	53.1			See Chart on page 6.88
																			
▲U-1000 ft. put-up also available in Beige.																			
80°C	**9119M**		1000	304.8	45.0	20.5	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond III + 60% Aluminum Braid 6.5Ω/M′ 21.3Ω/km	.275 x .416	6.99 x 10.57	75	83%	16.2	53.1			See Chart on page 6.88
																			
.051″ (1.3mm) galvanized steel messenger.																			
80°C	**1546A**	NEC: CATV CM CEC: CM	U-1000 1000	U-304.8 304.8	32.5 33.0	14.5 15.0	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond III + 60% Aluminum Braid 6.5Ω/M′ 21.3Ω/km	.275	6.99	75	83%	16.2	53.1			See Chart on page 6.88
																			
CoreGuard®																			
Gas-injected Foam Polyethylene Insulation • Black Polyethylene Jacket																			
Burial 80°C	**1837A**		1000	304.8	28.0	12.7	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond III + 60% Aluminum Braid 6.5Ω/M′ 21.3Ω/km	.275	6.99	75	83%	16.2	53.1			See Chart on page 6.88
																			
CoreGuard®																			

Sweep tested 5 MHz to 1 GHz.

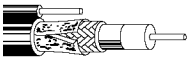
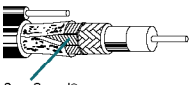
BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

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Broadband Coax

CATV Cables
Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
Series 6 • 18 AWG Solid .040″ Bare Copper-covered Steel • Duobond® III + 80% Aluminum Braid Shield																			
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket																			
80°C	**1613A**	NEC: CATV CM CEC: CM	U-1000 1000	U-304.8 304.8	32.0 33.0	14.5 15.0	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond III + 80% Aluminum Braid 5.2Ω/M′ 17.1Ω/km	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.88		
																			
																	Sweep tested 5 MHz to 1 GHz.		
80°C	**1615AM**		1000	304.8	46.0	20.9	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond III + 80% Aluminum Braid 5.2Ω/M′ 17.1Ω/km	.275 x .416	6.99 x 10.57	75	83%	16.2	53.1	See Chart on page 6.88		
																			
.051″ (1.3mm) galvanized steel messenger.																	Sweep tested 5 MHz to 1 GHz.		
80°C	**1616AM**		1000	304.8	46.0	20.9	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond III + 80% Aluminum Braid 5.2Ω/M′ 17.1Ω/km	.275 x .416	6.99 x 10.57	75	83%	16.2	53.1	See Chart on page 6.88		
 CoreGuard®																			
.051″ (1.3mm) galvanized steel messenger.																	Sweep tested 5 MHz to 1 GHz.		
Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)																			
Burial 80°C	**1614A**		1000	304.8	29.0	13.2	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond III + 80% Aluminum Braid 5.2Ω/M′ 17.1Ω/km	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.88		
 CoreGuard®																			
																	Sweep tested 5 MHz to 1 GHz.		

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

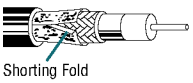
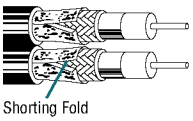
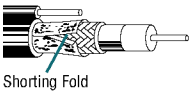
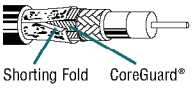
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Broadband Coax

CATV Cables

Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
Series 6 • 18 AWG Solid .040″ Bare Copper-covered Steel • Duobond Plus® + 80% Aluminum Braid Shield																			
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket																			
80°C  Shorting Fold	**9058**	NEC: CATV CM CEC: CM	U-1000♦ 1000▲	U-304.8 304.8	33.0 33.0	15.0 15.0	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond Plus + 80% Aluminum Braid 4.6Ω/M′ 15.1Ω/km	.275	6.99	75	83%	16.2	53.1	Sweep tested 5 MHz to 1 GHz.		See Chart on page 6.88
▲1000 ft. put-up also available in White. ♦U-1000 ft. put-up also available in White or Beige.																			
80°C  Shorting Fold	**9072** new	NEC: CATV CM CEC: CM	1000	304.8	70.0	31.8	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond Plus + 80% Aluminum Braid 4.6Ω/M′ 15.1Ω/km	.280 x .605	7.11 x 15.37	75	83%	16.2	53.1	Sweep tested 5 MHz to 1 GHz.		See Chart on page 6.88
80°C  Shorting Fold	**9059AM**		1000	304.8	47.0	21.4	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond Plus + 80% Aluminum Braid 4.6Ω/M′ 15.1Ω/km	.275 x .416	6.99 x 10.57	75	83%	16.2	53.1	Sweep tested 5 MHz to 1 GHz.		See Chart on page 6.88
.051″ (1.3mm) galvanized steel messenger.																			
80°C  Shorting Fold CoreGuard®	**1260AM**		1000	304.8	47.0	21.4	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond Plus + 80% Aluminum Braid 4.6Ω/M′ 15.1Ω/km	.275 x .416	6.99 x 10.57	75	83%	16.2	53.1	Sweep tested 5 MHz to 1 GHz.		See Chart on page 6.88
.051″ (1.3mm) galvanized steel messenger.																			
Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)																			
Burial 80°C  Shorting Fold CoreGuard®	**9062**		1000	304.8	29.0	13.2	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond Plus + 80% Aluminum Braid 4.6Ω/M′ 15.1Ω/km	.275	6.99	75	83%	16.2	53.1	Sweep tested 5 MHz to 1 GHz.		See Chart on page 6.88

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

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Broadband Coax

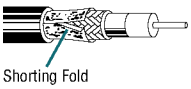
CATV Cables
Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

Series 6 • 18 AWG Solid .040″ Bare Copper-covered Steel • Duobond Plus® + 90% Aluminum Braid Shield

Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	**1621A**	NEC: CATV CM CEC: CM	1000	304.8	34.0	15.5	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond Plus + 90% Aluminum Braid 3.7Ω/M′ 12.1Ω/km	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.88		



Shorting Fold

Sweep tested 5 MHz to 1 GHz.

Series 6 • 18 AWG Solid .040″ Bare Copper-covered Steel • Duobond® IV* Quad Shield

Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	**1189A**	NEC: CATV CM CEC: CM	U-500▼ U-1000▲ 1000◆	U-152.4 U-304.8 304.8	16.0 37.0 37.0	7.3 16.8 16.8	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond IV 60% & 40% Aluminum Braids 4.8Ω/M′ 15.7Ω/km	.298	7.57	75	83%	16.2	53.1	See Chart on page 6.88		



Sweep tested 5 MHz to 1 GHz.

▼U-500 ft. put-up also available in White.
▲U-1000 ft. put-up also available in White or Neutral.
◆1000 ft. put-up also available in White, Beige or Neutral.

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C	**1189AP** new	NEC: CATVP CMP CEC: CMP FT6	U-1000† 1000†	U-304.8 304.8	41.0 42.0	18.6 19.1	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.170	4.32	Duobond IV 60% & 40% Aluminum Braids 4.8Ω/M′ 15.7Ω/km	.248	6.30	75	83%	16.3	53.5	1	.3	1.0
																	10	.7	2.2
																	50	1.6	5.2
																	100	2.2	7.2
																	200	3.0	9.8
																	400	4.6	15.1
																	700	6.6	21.7
																	900	7.7	25.3
																	1000	8.2	26.9



Sweep tested 5 MHz to 1 GHz.

Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	**1884A**	NEC: CATV CM CEC: CM	U-1000◗ 1000◗	U-304.8 304.8	39.0 38.0	17.7 17.3	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond IV 60% & 40% Aluminum Braids 4.8Ω/M′ 15.7Ω/km	.298	7.57	75	83%	16.2	53.1	See Chart on page 6.88		



CoreGuard®

Sweep tested 5 MHz to 1 GHz.

◗1000 ft. and U-1000 ft. put-ups also available in Neutral.

80°C	**1191AM**		1000†	304.8	49.0	22.3	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond IV 60% & 40% Aluminum Braids 4.8Ω/M′ 15.7Ω/km	.298 x .433	7.57 x 11.00	75	83%	16.2	53.1	See Chart on page 6.88		



Sweep tested 5 MHz to 1 GHz.

.051″ (1.3mm) galvanized steel messenger.

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

*Duobond IV = Duobond II + 60% aluminum braid + Duofoil® tape + 40% aluminum braid.
†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

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Broadband Coax

CATV Cables
Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

Series 6 • 18 AWG Solid .040″ Bare Copper-covered Steel • Duobond® IV* Quad Shield

Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)

Burial 80°C	**1190A**		1000	304.8	33.0	15.0	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond IV 60% + 40% Aluminum Braids 4.8Ω/M′ 15.7Ω/km	.298	7.57	75	83%	16.2	53.1	See Chart on page 6.88		



CoreGuard®

Sweep tested 5 MHz to 1 GHz.

Series 6 • 18 AWG Solid .040″ Bare Copper-covered Steel • Duofoil® + Tinned Copper Braid Shield

Plenum • Foam FEP Insulation • Black FEP Jacket

200°C	**89120**	NEC: CATVP CMP CEC: CMP FT6	500† 1000†	152.4 304.8	23.0 46.0	10.5 20.9	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.170	4.32	Duofoil 95% TC Braid 1.7Ω/M′ 5.6Ω/km	.234	5.94	75	82%	16.5	54.1	1 10 50 100 200 400 700 900 1000	.3 .7 1.6 2.2 3.0 4.6 6.6 7.7 8.2	1.0 2.2 5.2 7.2 9.8 15.1 21.7 25.3 26.9



Sweep tested 5 MHz to 400 MHz.

Plenum • Foam FEP Insulation • Black Fluorocopolymer Jacket

150°C	**87120**	NEC: CATVP CMP CEC: CMP FT6	500† 1000†	152.4 304.8	22.5 44.0	10.2 20.0	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.170	4.32	Duofoil 95% TC Braid 1.7Ω/M′ 5.6Ω/km	.234	5.94	75	82%	16.5	54.1	1 10 50 100 200 400 700 900 1000	.3 .7 1.6 2.2 3.0 4.6 6.6 7.7 8.2	1.0 2.2 5.2 7.2 9.8 15.1 21.7 25.3 26.9



Sweep tested 5 MHz to 400 MHz.

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C	**82120**	NEC: CATVP CMP CEC: CMP FT6	1000†	304.8	44.0	20.0	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.170	4.32	Duofoil 95% TC Braid 1.7Ω/M′ 5.6Ω/km	.234	5.94	75	82%	16.5	54.1	1 10 50 100 200 400 700 900 1000	.3 .7 1.6 2.2 3.0 4.6 6.6 7.7 8.2	1.0 2.2 5.2 7.2 9.8 15.1 21.7 25.3 26.9



Sweep tested 5 MHz to 400 MHz.

Plenum • Foam FEP Insulation • Snow Beige Tint FEP Jacket

200°C	**1152A**	NEC: CMP CEC: CMP FT6	500† 1000†	152.4 304.8	29.0 53.0	13.2 24.1	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.170	4.32	(2) Duofoil Shields + (2) TC Braids 1.8Ω/M′ 5.9Ω/km	.273	6.93	75	82%	16.5	54.1	1 10 50 100 200 400 700 900 1000	.3 .7 1.6 2.2 3.0 4.6 6.6 7.7 8.2	1.0 2.2 5.2 7.2 9.8 15.1 21.7 25.3 26.9



Sweep tested 5 MHz to 400 MHz.

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • TC = Tinned Copper

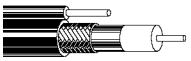
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

*Duobond IV = Duobond II + 60% aluminum braid + Duofoil tape + 40% aluminum braid.
†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

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Broadband Coax

CATV Cables
Series 11

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
Series 11 • 14 AWG Solid .064″ Bare Copper-covered Steel • Duofoil® + 40% Aluminum Braid Shield																			
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket																			
80°C	**9011**		1000	304.8	66.0	30.0	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duofoil + 40% Aluminum Braid 5.3Ω/M′ 17.4Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		
Series 11 • 14 AWG Solid .064″ Bare Copper-covered Steel • Duobond® II + 60% Aluminum Braid Shield																			
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket																			
80°C	**1523A**	NEC: CATV CM CEC: CM	1000	304.8	63.0	28.6	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond II + 60% Aluminum Braid 4.1Ω/M′ 13.4Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		
80°C	**1523AN**		1000	304.8	68.0	30.9	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond II + 60% Aluminum Braid 4.1Ω/M′ 13.4Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		
80°C	**1523R**	NEC: CATVR CMR CEC: CMR FT4	500 1000	152.4 304.8	34.0 70.0	15,4 31.8	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond II + 60% Aluminum Braid 4.1Ω/M′ 13.4Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		
Plenum • Foam FEP Insulation • Black Fluorocopolymer Jacket																			
150°C	**1523AP**	NEC: CATVP CMP CEC: CMP FT6	1000 †	304.8	62.0	28.2	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.274	6.96	Duobond II + 60% Aluminum Braid 4.1Ω/M′ 13.4Ω/km	.348	8.84	75	83%	16.3	53.5	1 10 50 100 200 400 700 900 1000	.2 .4 1.0 1.4 2.3 3.7 5.3 6.4 6.9	.6 1.3 3.3 4.6 7.5 12.1 17.4 21.0 22.6
																	Sweep tested 5 MHz to 1 GHz.		
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket																			
80°C	**1524AM**		1000	304.8	85.0	38.6	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond II + 60% Aluminum Braid 4.1Ω/M′ 13.4Ω/km	.400 x .580	10.16 x 14.73	75	83%	16.2	53.1	See Chart on page 6.88		
																	Sweep tested 5 MHz to 1 GHz.		
.072″ (1.83mm) galvanized steel messenger.																			
Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)																			
Burial 80°C	**1525A**		1000	304.8	60.0	27.3	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond II + 60% Aluminum Braid 4.1Ω/M′ 13.4Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.88		
 CoreGuard®																	Sweep tested 5 MHz to 1 GHz.		

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

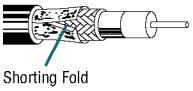
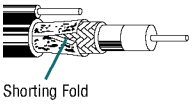
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

† Spools are one piece, but length may vary ±10% from length shown.

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Broadband Coax

CATV Cables
Series 11

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
Series 11 • 14 AWG Solid .064″ Bare Copper-covered Steel • Duobond Plus® + 77% Aluminum Braid Shield																			
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket																			
80°C	**9064**	NEC: CATV CM CEC: CM	1000	304.8	68.0	30.9	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond Plus + 77% Aluminum Braid 3.8Ω/M′ 12.5Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.88		
 Shorting Fold																			
																	Sweep tested 5 MHz to 1 GHz.		
80°C	**9065M**		1000	304.8	86.0	39.1	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond Plus + 77% Aluminum Braid 3.8Ω/M′ 12.5Ω/km	.400 x .580	10.16 x 14.73	75	83%	16.2	53.1	See Chart on page 6.88		
 Shorting Fold																			
																	Sweep tested 5 MHz to 1 GHz.		
.072″ (1.83mm) galvanized steel messenger.																			
Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)																			
Burial 80°C	**9764**		1000	304.8	60.0	27.3	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond Plus + 77% Aluminum Braid 3.8Ω/M′ 12.5Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.88		
 Shorting Fold CoreGuard®																			
																	Sweep tested 5 MHz to 1 GHz.		

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

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Broadband Coax

CATV Cables
Series 11

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
Series 11 • 14 AWG Solid .064″ Bare Copper-covered Steel • Duobond® IV* Quad Shield																			
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket																			
80°C	**1617A**	NEC: CATV CM CEC: CM	1000	304.8	67.0	30.5	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond IV 60% & 40% Aluminum Braids 3.0Ω/M′ 9.8Ω/km	.407	10.34	75	83%	16.2	53.1	See Chart on page 6.88		
 CoreGuard®																			
																	Sweep tested 5 MHz to 1 GHz.		
80°C	**1619AM**		1000	304.8	84.0	38.2	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond IV 60% & 40% Aluminum Braids 3.0Ω/M′ 9.8Ω/km	.407 x .560	10.34 x 14.22	75	83%	16.2	53.1	See Chart on page 6.88		
 .072″ (1.83mm) galvanized steel messenger.																			
																	Sweep tested 5 MHz to 1 GHz.		
80°C	**1620AM**		1000	304.8	86.0	39.1	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond IV 60% & 40% Aluminum Braids 3.0Ω/M′ 9.8Ω/km	.407 x .560	10.34 x 14.22	75	83%	16.2	53.1	See Chart on page 6.88		
 CoreGuard®																			
.072″ (1.83mm) galvanized steel messenger.																			
																	Sweep tested 5 MHz to 1 GHz.		
Gas-injected Foam Polyethylene Insulation • Black Polyethylene Jacket																			
Burial 80°C	**1618A**		1000	304.8	61.0	27.7	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond IV 60% & 40% Aluminum Braids 3.0Ω/M′ 9.8Ω/km	.407	10.34	75	83%	16.2	53.1	See Chart on page 6.88		
 CoreGuard®																			
																	Sweep tested 5 MHz to 1 GHz.		
Series 11 • 14 AWG Solid .064″ Bare Copper-covered Steel • Duofoil® + Tinned Copper Braids Shield																			
Plenum • Foam FEP Insulation • Snow Beige FEP Jacket																			
200°C	**1153A**	NEC: CMP CL2P CEC: CMP FT6	500 † 1000 †	152.4 304.8	52.5 106.0	23.9 48.2	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	(2) Duofoil Shields + (2) TC Braids 1.8Ω/M′ 5.9Ω/km	.387	9.83	75	82%	16.2	53.1	1 10 50 100 200 400 700 900 1000	.2 .4 1.2 1.7 2.5 3.5 4.6 5.3 5.6	.7 1.3 3.9 5.6 8.2 11.5 15.1 17.4 18.4
																			
																	Sweep tested 5 MHz to 400 MHz.		

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

* Duobond IV = Duobond II + 60% aluminum braid + Duofoil tape + 40% aluminum braid.
† Spools are one piece, but length may vary ±10% from length shown.

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Broadband Coax

Headend/Video Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 Ft.	Nominal Attenuation dB/100m

20 AWG Solid .032″ Silver-plated, Copper-covered Steel • Duobond Plus® + 95% Aluminum Braid Shield

Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in 12 colors)◆

Description	Part No.	UL NEC/ C(UL) CEC Type	Ft.	m	Lbs.	kg	Conductor	Core OD Inch	Core OD mm	Shielding	OD Inch	OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m
80°C	**9167**	NEC:	1000◆	304.8	28.0	12.7	20 AWG	.144	3.66	Duobond Plus	.242	6.15	75	83%	16.2	53.1	See Chart on page 6.88		
		CATVR					(solid)			+ 95%									
		CMR					.032″			Aluminum									
		CEC:					SPCCS			Braid									
		CMR FT4					25.8Ω/M′			4.5Ω/M′									
							84.6Ω/km			14.8Ω/km									



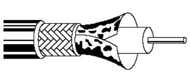
Sweep tested 5 MHz to 1 GHz.

◆Available in Black, Gray, White, Red, Blue, Yellow, Brown, Orange, Green, Violet, Tan, or Pink.

20 AWG Solid .032″ Bare Copper • Duofoil® + 95% Tinned Copper Braid Shield

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)◆

Description	Part No.	UL NEC/ C(UL) CEC Type	Ft.	m	Lbs.	kg	Conductor	Core OD Inch	Core OD mm	Shielding	OD Inch	OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m
SDI/HDTV	**1505A**	NEC:	500▲	152.4	17.5	8.0	20 AWG	.145	3.68	Duofoil	.234	5.94	75	83%	16.3	53.5	1	.3	1.0
Digital Video		CMR	1000◆	304.8	36.0	16.4	(solid)			+ 95%							3.6	.6	1.8
75°C		CEC:	5000◆	1524.0	165.4	75.2	.032″			TC Braid							10	.9	2.9
		CMG FT4					BC			3.8Ω/M′							71.5	2.1	6.9
							10.0Ω/M′			12.5Ω/km							135	2.7	8.9
							32.8Ω/km										270	3.8	12.5
																	360	4.4	14.4
																	540	5.5	18.0
																	720	6.4	21.0
																	750	6.5	21.3
																	1000	7.6	24.9
																	1500	9.3	30.5
																	2250	11.6	38.0
																	3000	13.4	44.0



For Plenum version of 1505A, see 1506A.

Also available in bundled versions. See 7794A through 7798A.

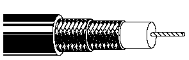
100% Sweep tested. 5 MHz to 3 GHz.

▲500 ft. put-up available in Black, Red or Blue only.
◆1000 ft. and 5000 ft. put-ups available in all ten colors: Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray or White.

22 AWG Stranded (7x29) .031″ Bare Compacted Copper* • Double Tinned Copper Braid Shield

Gas-injected Foam HDPE Insulation • PVC Jacket (Matte Black, Red, Green, Blue, Yellow, White or Violet)

Description	Part No.	UL NEC/ C(UL) CEC Type	Ft.	m	Lbs.	kg	Conductor	Core OD Inch	Core OD mm	Shielding	OD Inch	OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m
High-Flex	**1505F**	NEC:	1000	304.8	44.0	20.0	22 AWG	.145	3.68	TC Double	.242	6.15	75	80%	17.0	55.7	1	.2	.7
SDI/HDTV	new	CM					(7x29)			Braid							3.6	.5	1.6
Video Patch		CEC:					.031″			95% Shield							10	.9	2.9
75°C		CM					BCC			Coverage							71.5	2.5	8.2
							12.2Ω/M′			2.4Ω/M′							135	3.5	11.5
							40.0Ω/km			7.8Ω/km							270	5.1	16.7
																	360	6.0	19.7
																	540	7.4	24.3
																	720	8.7	28.5
																	750	8.9	29.2
																	1000	10.5	34.4
																	1500	13.3	43.6
																	2250	16.9	55.4
																	3000	20.3	66.6



100% Sweep tested. 5 MHz to 3 GHz.

*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

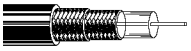
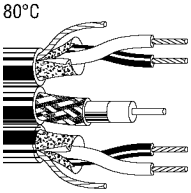
BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • SPC = Silver-plated Copper • SPCCS = Silver-plated, Copper-covered Steel • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

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Broadband Coax

Headend/Video Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
20 AWG Solid .031″ Bare Copper • 98% Tinned Copper Double Braid Shield																			
Polyethylene Insulation • Polyethylene Jacket (Available in Red, Yellow, Green, Light Blue, White, Orange or Black)																			
80°C	**8281**		500▲	152.4	37.0	16.8	20 AWG (solid) .031″ BC 9.9Ω/M′ 32.5Ω/km	.198	5.03	TC Double Braid 98% Shield Coverage 1.1Ω/M′ 3.6Ω/km	.305	7.75	75	66%	21.0	68.9	1	.3	.8
			1000	304.8	74.0	33.6											3.6	.5	1.8
																	10.0	.8	2.6
																	71.5	2.1	6.9
																	135	3.0	9.8
											For Plenum version of 8281, see 88281.						270	4.3	14.1
																	360	5.1	16.6
											100% Sweep tested. 5 MHz to 850 MHz.						540	6.3	20.7
																	720	7.4	24.3
																	750	7.6	24.9
▲500 ft. put-up not available in White.																	1000	9.2	30.2
Flame-retardant Semi-foam Polyethylene Insulation • PVC Jacket (Available in 10 colors)♦																			
UL AWM Style 1354 (30V 80°C)	**8281B**	NEC: CMR CEC: CMG FT4	1000	304.8	85.0	38.6	20 AWG (solid) .031″ BC 9.9Ω/M′ 32.5Ω/km	.198	5.03	TC Double Braid 98% Shield Coverage 1.1Ω/M′ 3.6Ω/km	.305	7.75	75	66%	21.0	68.9	1	.3	.8
																	3.6	.5	1.8
																	10.0	.8	2.6
																	71.5	2.1	6.9
																	135	3.0	9.8
											For Plenum version of 8281B, see 88281.						270	4.4	14.4
																	360	5.1	16.6
											100% Sweep tested. 5 MHz to 850 MHz.						540	6.6	21.5
																	720	7.8	25.4
																	750	8.0	26.2
♦8281B available in Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White or Black.																	1000	10.2	33.5
22 AWG Stranded (7x29) .031″ Bare Compacted Copper* • Double Tinned Copper Braid Shield																			
Polyethylene Insulation • PVC Jacket (Matte Red, Blue, Green, Gray or Black)																			
High-Flex 60°C	**8281F**		500◗	152.4	32.0	14.5	22 AWG (7x29) .031″ BCC 12.2Ω/M′ 40.0Ω/km	.193	4.90	TC Double Braid 98% Shield Coverage 1.7Ω/M′ 5.6Ω/km	.305	7.75	75	66%	21.0	68.9	1	.3	.9
			1000	304.8	65.0	29.5											3.6	.5	1.7
																	10.0	.9	2.9
																	71.5	2.5	8.0
																	135	3.6	11.6
											100% Sweep tested. 5 MHz to 850 MHz.						270	5.1	16.7
																	360	6.0	19.7
																	540	7.4	24.3
																	720	8.7	28.5
																	750	8.9	29.2
◗500 ft. put-up available in Black only.																	1000	10.5	34.4
Composite Cable: 20 AWG Coax with Duobond® + TC Braid • (2) **22 AWG** Stranded (7x30) Twisted Pairs Individually Beldfoil® Shielded																			
Gas-injected Foam Polyethylene (Coax) **and Polyolefin** (Pairs) **Insulation • PVC Jacket** (Available in 10 colors)†																			
Siamese Construction 80°C	**7721A** new	NEC: CATV CM CEC: CM	500	152.4	32.0	14.5	1 Coax: Series 59 20 AWG (solid) .032″ SPC 10.1Ω/M′ 33.1Ω/km	.145	3.68	Duobond II + 95% TC Braid 3.5Ω/M′ 11.5Ω/km	.235	5.97	75	83%	16.2	53.1	1	.3	1.0
			1000	304.8	64.0	29.1	Coax OD:	.235	5.97		.511	12.98					4	.6	1.8
																	10	.9	2.9
																	55	1.8	6.0
																	211	3.6	11.8
																	450	5.3	17.5
																	550	5.9	19.4
																	750	7.0	22.9
																	870	7.5	24.7
																	1000	8.1	26.5
							2 Pair: 22 AWG (stranded) (7x30) .030″ TC 10.0Ω/M′ 32.8Ω/km Black & Red, Green & White	Pair OD: .046	1.17	Individually Beldfoil Shielded 100% Shield Coverage w/Drain Wire 14.1Ω/M′ 46.3Ω/km	—	—	45	66%	34.0	111.5	—	—	—
											Sweep tested 5 MHz to 1 GHz.								
†Available in Black, Red, Brown, Orange, Green, Yellow, Blue, Violet, Gray or White.																			

BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • SPC = Silver-plated Copper • SPCCS = Silver-plated, Copper-covered Steel • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

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DBS Cable

Series 59 and Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
Series 59 • 20 AWG Solid .032″ Bare Copper-covered Steel • Duobond®II + 40% Aluminum Braid Shield																			
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket																			
80°C	**1830A**	NEC: CATV CM CEC: CM	U-1000	U-304.8	24.0	10.9	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/M′	.144	3.66	Duobond II + 40% Aluminum Braid 17.0Ω/M′ 55.8Ω/km	.237	6.02	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250	.8 1.8 3.4 5.2 6.5 7.0 7.7 9.3 10.3 11.9	2.5 6.0 11.0 17.1 21.4 22.9 25.2 30.5 33.8 39.0
											Sweep tested 950 MHz to 2.25 GHz.								
Series 6 • 18 AWG Solid .040″ Bare Copper or Bare Copper-covered Steel Cond. (see below) • Duobond II + 60% Aluminum Braid Shield																			
Gas-injected Foam Polyethylene Insulation • PVC Jacket (Black, Gray or White)																			
80°C	**1829A**	NEC: CATV CM CEC: CM	U-1000▲ 1000▲	U-304.8 304.8	31.0 31.0	14.1 14.1	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.9 8.4 10.1	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.9 27.6 33.1
											Sweep tested 950 MHz to 2.25 GHz.								
▲1000 ft. and U-1000 ft. put-ups also available in Beige.																			
80°C	**1829AC**	NEC: CATV CM CEC: CM	U-1000 1000	U-304.8 304.8	31.0 31.0	14.1 14.1	18 AWG (solid) .040″ BC 6.4Ω/M′ 21.0Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250 3000	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.9 8.4 10.1 11.0	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.9 27.6 33.1 36.1
											Sweep tested 950 MHz to 2.25 GHz.								
Gas-injected Foam Polyethylene Insulation • Black Polyethylene Jacket																			
Burial 80°C CoreGuard®	**1829B** new		1000	304.8	27.0	12.3	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.9 8.4 10.1	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.9 27.6 33.1
											Sweep tested 950 MHz to 2.25 GHz.								
Burial 80°C CoreGuard®	**1829BC** new		1000	304.8	28.0	12.7	18 AWG (solid) .040″ BC 6.4Ω/M′ 21.0Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250 3000	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.9 8.4 10.1 11.0	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.9 27.6 33.1 36.1
											Sweep tested 950 MHz to 2.25 GHz.								

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

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DBS Cable
Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

Series 6 • 18 AWG Solid .040″ Bare Copper or Bare Copper-covered Steel Cond. (see below) • Duobond® II + 60% AL Braid Shield *(cont'd)*

Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	**1839A**	1000	304.8	42.0	19.1	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.270 x .405	6.86 x 10.29	75	83%	16.2	53.1	5	.5	1.6
																55	1.4	4.6
																211	2.6	8.5
																500	4.1	13.5
																750	5.1	16.7
																862	5.5	18.0
										Sweep tested 950 MHz to 2.25 GHz.						1000	6.0	19.7
																1450	7.9	25.9
																1800	8.4	27.6
.045″ (1.14mm) copper-covered steel, static ground.																2250	10.1	33.1
80°C	**1839AC** new	1000▲	304.8	43.0	19.5	18 AWG (solid) .040″ BC 6.4Ω/M′ 21.0Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.270 x .405	6.86 x 10.29	75	83%	16.2	53.1	5	.5	1.6
																55	1.4	4.6
																211	2.6	8.5
																500	4.1	13.5
																750	5.1	16.7
																862	5.5	18.0
										Sweep tested 950 MHz to 2.25 GHz.						1000	6.0	19.7
																1450	7.9	25.9
																1800	8.4	27.6
▲1000 ft. put-up also available in Gray or White.																2250	10.1	33.1
.045″ (1.14mm) copper-covered steel static ground.																3000	11.0	36.1

Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	**1840A**	500	152.4	37.0	16.8	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.273 x .703	6.93 x 17.86	75	83%	16.2	53.1	5	.5	1.6
		1000	304.8	74.0	33.6											55	1.4	4.6
																211	2.6	8.5
																500	4.1	13.5
																750	5.1	16.7
																862	5.5	18.0
										Sweep tested 950 MHz to 2.25 GHz.						1000	6.0	19.7
																1450	7.9	25.9
																1800	8.4	27.6
.045″ (1.14mm) copper-covered steel static ground.																2250	10.1	33.1
80°C	**1840AC** new	500▲	152.4	38.5	17.5	18 AWG (solid) .040″ BC 6.4Ω/M′ 21.0Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.273 x .703	6.93 x 17.86	75	83%	16.2	53.1	5	.5	1.6
																55	1.4	4.6
																211	2.6	8.5
																500	4.1	13.5
																750	5.1	16.7
																862	5.5	18.0
										Sweep tested 950 MHz to 2.25 GHz.						1000	6.0	19.7
																1450	7.9	25.9
																1800	8.4	27.6
▲500 ft. put-up also available in Gray or White.																2250	10.1	33.1
.045″ (1.14mm) copper-covered steel static ground.																3000	11.0	36.1

Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	**1841A**	NEC: CATV CM CEC: CM	1000	304.8	66.0	30.0	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.273 x .595	6.93 x 15.11	75	83%	16.2	53.1	5	.5	1.6
																	55	1.4	4.6
																	211	2.6	8.5
																	500	4.1	13.5
																	750	5.1	16.7
																	862	5.5	18.0
										Sweep tested 950 MHz to 2.25 GHz.							1000	6.0	19.7
																	1450	7.9	25.9
																	1800	8.4	27.6
																	2250	10.1	33.1

Gas-injected Foam Polyethylene Insulation • PVC Jacket (Black, Gray or White)

80°C	**1841AC** new	NEC: CATV CM CEC: CM	500	152.4	33.0	15.0	18 AWG (solid) .040″ BC 6.4Ω/M′ 21.0Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.273 x .595	6.93 x 15.11	75	83%	16.2	53.1	5	.5	1.6
																	55	1.4	4.6
																	211	2.6	8.5
																	500	4.1	13.5
																	750	5.1	16.7
																	862	5.5	18.0
										Sweep tested 950 MHz to 2.25 GHz.							1000	6.0	19.7
																	1450	7.9	25.9
																	1800	8.4	27.6
																	2250	10.1	33.1
																	3000	11.0	36.1

AL = Aluminum • BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

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DBS Cable
Series 6

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
Series 6 • 18 AWG Solid .040″ Bare Copper-covered Steel Conductor • Duobond® II + 60% Aluminum Braid Shield																			
Gas-injected Foam Polyethylene Insulation • Black Polyethylene Jacket																			
Burial 80°C	**1843A**		500	152.4	32.5	14.8	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M′ 29.5Ω/km	.273 x .750	6.93 x 19.05	75	83%	16.2	53.1	5	.5	1.6
			1000	304.8	64.0	29.1											55	1.4	4.6
																	211	2.6	8.5
																	500	4.1	13.5
																	750	5.1	16.7
																	862	5.5	18.0
																	1000	6.0	19.7
											Sweep tested 950 MHz to 2.25 GHz.						1450	7.9	25.9
																	1800	8.4	27.6
																	2250	10.1	33.1
CoreGuard®																			
.045″ (1.14mm) copper-covered steel static ground.																			
Series 6 • 18 AWG Solid .040″ Bare Copper Conductor • Duobond + Aluminum Braid(s) Shield																			
Gas-injected Foam Polyethylene Insulation • PVC Jacket (Black or White)																			
80°C	**7915A**	NEC:	U-500	152.4	16.0	7.3	18 AWG (solid) .040″ BC 6.4Ω/M′ 21.0Ω/km	.180	4.57	Duobond Plus®+ 80% Aluminum Braid 4.6Ω/M′ 15.1Ω/km	.275	6.99	75	83%	16.2	53.1	5	.5	1.6
	new	CATV CM	500	152.4	18.0	8.2											55	1.4	4.6
		CEC:	U-1000	U-304.8	34.0	15.5											211	2.6	8.5
		CM	1000	304.8	34.0	15.5											500	4.1	13.5
																	750	5.1	16.7
											Sweep tested 5 MHz to 2.25 GHz.						862	5.5	18.0
																	1000	6.0	19.7
																	1450	7.9	25.9
																	1800	8.4	27.6
Shorting Fold																	2250	10.1	33.1
80°C	**7916A**	NEC:	U-500	152.4	18.0	8.2	18 AWG (solid) .040″ BC 6.4Ω/M′ 21.0Ω/km	.180	4.57	Duobond IV* 60% & 40% Aluminum Braids 4.8Ω/M′ 15.7Ω/km	.298	7.57	75	83%	16.2	53.1	5	.5	1.6
	new	CATV CM	500	152.4	20.0	9.1											55	1.4	4.6
		CEC:	U-1000	U-304.8	37.0	16.8											211	2.6	8.5
		CM	1000	304.8	37.0	16.8											500	4.1	13.5
																	750	5.1	16.7
											Sweep tested 5 MHz to 2.25 GHz.						862	5.5	18.0
																	1000	6.0	19.7
																	1450	7.9	25.9
																	1800	8.4	27.6
																	2250	10.1	33.1

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

*Duobond IV = Duobond II + 60% aluminum braid + Duofoil® tape + 40% aluminum braid.

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Standard Analog Video Cable

75 Ohm Miniature Coax

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
30 AWG Stranded (7x38) .012″ Tinned Copper • 89% Tinned Copper Braid Shield																			
Foam HDPE Insulation • Black PVC Jacket																			
UL AWM Style 1375 (30V 60°C)	**9221**		100 U-500 500	30.5 U-152.4 152.4	2.3 3.5 4.5	1.0 1.6 2.0	30 AWG (7x38) .012″ TC 100.0Ω/M′ 328.0Ω/km	.058	1.47	TC Braid 89% Shield Coverage 11.7Ω/M′ 38.4Ω/km	.097	2.46	75	78%	17.3	56.8	1 4 5 10 50 100 200 400 1000	.7 1.3 1.6 2.2 5.1 7.3 10.5 15.5 26.6	2.3 4.3 5.2 7.2 16.7 23.9 34.4 50.9 87.3
27 AWG Stranded (7x35) .017″ Bare Copper-covered Steel • 93% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	**8218**		U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	8.0 8.0 16.0 16.0	3.6 3.6 7.3 7.3	27 AWG (7x35) .017″ BCCS 120.0Ω/M′ 393.7Ω/km	.100	2.54	TC Braid 93% Shield Coverage 5.7Ω/M′ 18.7Ω/km	.150	3.81	75	66%	20.5	67.3	1 10 50 100 200 400 700 900 1000	1.2 2.4 4.2 5.7 8.3 12.1 16.5 19.0 20.0	3.9 7.9 13.8 18.7 27.2 39.7 54.1 62.3 65.6

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

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Standard Analog Video Cable

RG-59/U Type

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
23 AWG Solid .023″ Bare Copper or Bare Copper-covered Steel Conductor (see below) • 95% Bare Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 75°C)	**8241**	NEC: CMX CEC: CMX	100	30.5	5.0	2.3	23 AWG (solid) .023″ BCCS 49.0Ω/M′ 160.7Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.242	6.15	75	66%	20.5	67.3	1	.6	2.0
			U-500	U-152.4	20.5	9.3											10	1.1	3.6
			500	152.4	22.5	10.2											50	2.4	7.9
			U-1000▲	U-304.8	40.0	18.2											100	3.4	11.2
			1000	304.8	41.0	18.6											200	4.9	16.1
			2000	609.6	82.0	37.3											400	7.0	23.0
			5000	1524.0	205.0	93.2											700	9.7	31.8
																	900	11.1	36.4
																	1000	12.0	39.4
											For Plenum versions of 8241, see 88241 or 82241.								
Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 75°C)	**8241A**	NEC: CMG CEC: CMG FT4	U-1000	U-304.8	42.0	19.1	23 AWG (solid) .023″ BCCS 49.0Ω/M′ 160.7Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.242	6.15	75	66%	20.5	67.3	1	.6	2.0
			1000	304.8	43.0	19.5											5	.9	3.0
																	10	1.1	3.6
																	50	2.4	7.9
																	100	3.4	11.2
																	200	4.9	16.1
																	400	7.0	23.0
																	700	10.1	33.1
																	900	11.7	38.2
																	1000	13.2	43.3
Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	**8241B**	NEC: CM CEC: CM	U-1000	U-304.8	37.0	16.8	23 AWG (solid) .023″ BC 20.4Ω/M′ 66.9Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M′ 9.5Ω/km	.242	6.15	75	66%	20.5	67.3	1	.4	1.3
			1000	304.8	38.0	17.3											10	1.1	3.6
																	50	2.4	7.9
																	100	3.4	11.2
																	200	4.9	16.1
																	400	7.0	23.0
																	700	9.7	31.8
																	900	11.1	36.4
																	1000	12.0	39.4
22 AWG Stranded (7x30) .030″ Bare Copper • 95% Bare Copper Braid Shield																			
Foam Polyethylene Insulation • PVC Jacket (Available in Matte Black, Red, Blue, Green, White, Gray or Yellow)																			
High-Flex 60°C	**8241F**		1000	304.8	34.0	15.5	22 AWG (7x30) .030″ BC 15.0Ω/M′ 49.2Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.242	6.15	75	78%	17.3	56.8	1	.3	1.0
																	10	.9	3.0
																	50	2.1	6.9
																	100	3.0	9.8
																	200	4.5	14.8
																	400	6.6	21.7
																	700	8.9	29.2
																	900	10.1	33.1
																	1000	10.9	35.8
23 AWG Solid .023″ Bare Copper-covered Steel Conductor • 97% Bare Copper Braid Shield																			
Plenum • FEP Insulation • Black FEP Jacket																			
200°C	**88241**	NEC: CMP CEC: CMP FT6	500†	152.4	20.5	9.3	23 AWG (solid) .023″ BCCS 49.0Ω/M′ 160.7Ω/km	.132	3.35	BC Braid 97% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.190	4.83	75	69.5%	19.5	64.0	1	.5	1.6
			1000†	304.8	40.0	18.2											10	1.0	3.3
																	50	2.3	7.5
																	100	3.3	10.8
																	200	5.2	17.1
																	400	8.4	27.6
																	700	11.6	38.0
																	900	13.8	45.3
Suitable for Outdoor and Direct Burial applications.																	1000	14.8	48.5
Plenum • FEP Insulation • Natural Flamarrest® Jacket																			
75°C	**82241**	NEC: CMP CEC: CMP FT6	U-500†	U-152.4	16.0	7.3	23 AWG (solid) .023″ BCCS 49.0Ω/M′ 160.7Ω/km	.132	3.35	BC Braid 97% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.190	4.83	75	69.5%	19.5	64.0	1	.5	1.6
			U-1000†	U-304.8	32.0	14.5											10	1.0	3.3
			1000†	304.8	32.0	14.5											50	2.3	7.5
																	100	3.3	10.8
																	200	5.2	17.1
																	400	8.4	27.6
																	700	11.6	38.0
																	900	13.8	45.3
																	1000	14.8	48.5

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

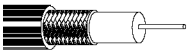
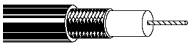
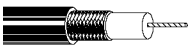
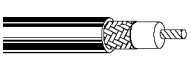
†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

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Standard Analog Video Cable

RG-59/U Type

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
22 AWG Solid Bare Copper-covered Steel • Bare Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	**8263**	NEC:	U-500	U-152.4	19.5	8.9	23 AWG	.146	3.71	BC Braid	.242	6.15	75	66%	20.5	67.3	1	.6	2.0
		CMX	U-1000	U-304.8	39.0	17.7	(solid)			95% Shield							10	1.1	3.6
		CEC:	1000	304.8	38.0	17.3	.023″			Coverage							50	2.4	7.9
		CMX					BCCS			2.6Ω/M′							100	3.4	11.2
							49.0Ω/M′			8.5Ω/km							200	4.9	16.1
							160.7Ω/km										400	7.0	23.0
																	700	9.7	31.8
																	900	11.1	36.4
Non-contaminating Black PVC Jacket.																	1000	12.0	39.4
UL AWM Style 1354 (30V 80°C)	**9244**	NEC:	U-500	U-152.4	18.0	8.2	22 AWG	.146	3.71	BC Braid	.242	6.15	75	66%	19.4	63.6	1	.6	2.0
		CMX	U-1000	U-304.8	36.0	16.4	(solid)			85% Shield							10	1.1	3.6
		CEC:	1000	304.8	36.0	16.4	.025″			Coverage							50	2.4	7.9
		CMX	3280	1000.0	118.1	53.8	BCCS			4.5Ω/M′							100	3.4	11.2
							50.0Ω/M′			14.8Ω/km	100% Sweep tested. 5 MHz to 450 MHz.						200	4.9	16.1
							164.0Ω/km										400	7.0	23.0
																	700	9.7	31.8
																	900	11.1	36.4
																	1000	12.0	39.4
Foam Polyethylene Insulation • Black PVC Jacket																			
75°C	**8221**		U-500	U-152.4	18.5	8.4	22 AWG	.146	3.71	BC Braid	.242	6.15	80	78%	16.3	53.5	1	.4	1.4
			500	152.4	18.5	8.4	(solid)			95% Shield							10	.9	3.0
			U-1000	U-304.8	36.0	16.4	.025″			Coverage							50	2.0	6.6
			1000	304.8	36.0	16.4	BCCS			2.6Ω/M′							100	2.9	9.5
							50.0Ω/M′			8.5Ω/km							200	4.1	13.4
							164.0Ω/km										400	5.9	19.4
																	700	7.8	25.6
																	900	8.8	28.9
																	1000	9.9	32.5
22 AWG Stranded (7x30) .030″ Bare Copper • 95% Bare Copper Braid Shield																			
Foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 60°C) VW-1	**9659**	NEC:	U-500	U-152.4	18.0	8.2	22 AWG	.146	3.71	BC Braid	.242	6.15	75	78%	17.3	56.7	1	.3	1.0
		CMX	U-1000	U-304.8	36.0	16.4	(7x30)			95% Shield							10	.9	3.0
		CEC:	1000	304.8	36.0	16.4	.030″			Coverage							50	2.1	6.9
		CMX					BC			2.6Ω/M							100	3.0	9.8
							15.0Ω/M′			8.5Ω/km	100% Sweep tested. 5 MHz to 450 MHz.						200	4.5	14.8
							49.2Ω/km										400	6.6	21.6
																	700	8.9	29.2
																	900	10.1	33.1
Non-contaminating PVC Jacket. For CCTV applications.																	1000	10.9	35.8
UL AWM Style 1354 (30V 80°C)	**9259**	NEC:	100	30.5	4.6	2.1	22 AWG	.146	3.71	BC Braid	.241	6.12	75	78%	17.3	56.7	1	.3	1.0
		CM	U-500	U-152.4	18.5	8.4	(7x30)			95% Shield							10	.9	3.0
		CEC:	500	152.4	20.5	9.3	.030″			Coverage							50	2.1	6.9
		CM	U-1000	U-304.8	36.0	16.4	BC			2.6Ω/M							100	3.0	9.8
			1000	304.8	36.0	16.4	15.0Ω/M′			8.5Ω/km	For Plenum versions of 9259, see 89259 or 82259.						200	4.5	14.8
							49.2Ω/km										400	6.6	21.7
																	700	8.9	29.2
																	900	10.1	33.1
For CCTV applications.																	1000	10.9	35.8
Plenum • Foam FEP Insulation • Black FEP Jacket																			
200°C	**89259**	NEC:	100	30.5	5.1	2.3	22 AWG	.135	3.43	BC Braid	.193	4.90	75	78%	17.3	56.7	1	.3	1.0
		CMP	500†	152.4	18.0	8.2	(7x30)			95% Shield							10	.9	3.0
		CEC:	1000†	304.8	34.0	15.5	.030″			Coverage							50	2.1	6.9
		CMP FT6					BC			2.6Ω/M							100	3.0	9.8
							15.0Ω/M′			8.5Ω/km							200	4.5	14.8
							49.2Ω/km										400	6.6	21.6
																	700	9.0	29.5
																	900	10.1	33.1
Suitable for Outdoor and Direct Burial applications.																	1000	11.0	36.1
Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket																			
75°C	**82259**	NEC:	U-1000†	U-304.8	31.0	14.1	22 AWG	.135	3.43	BC Braid	.193	4.90	75	78%	17.3	56.7	1	.3	1.0
		CMP	1000†	304.8	33.0	15.0	(7x30)			95% Shield							10	.9	3.0
		CEC:					.030″			Coverage							50	2.1	6.9
		CMP FT6					BC			2.6Ω/M							100	3.0	9.8
							15.0Ω/M′			8.5Ω/km							200	4.5	14.8
							49.2Ω/km										400	6.6	21.6
																	700	9.0	29.5
																	900	10.1	33.1
																	1000	11.0	36.1

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.
†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

HALLIBURTON EXHIBIT 2023
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Standard Analog Video Cable

RG-59/U Type

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
20 AWG Solid .032″ Bare Copper-covered Steel • Bare Copper Braid Shield																			
Foam Polyethylene Insulation • Black PVC Jacket																			
75°C	**9240**		1000 †	304.8	30.0	13.6	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/km	.143	3.63	BC Braid 80% Shield Coverage 5.6Ω/M′ 18.4Ω/km	.241	6.12	75	78%	17.3	56.7	1 10 50 100 200 400 700 900 1000	.6 1.0 2.1 3.0 4.5 6.6 8.9 10.1 10.9	2.0 3.3 6.9 9.8 14.8 21.6 29.2 33.1 35.8
											100% Sweep tested. 5 MHz to 850 MHz.								
Foam Polyethylene Insulation • Black Polyethylene Jacket																			
80°C	**8212**		U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	16.5 19.0 32.0 32.0	7.5 8.6 14.5 14.5	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/km	.143	3.63	BC Braid 95% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.242	6.15	75	78%	17.3	56.7	1 10 50 100 200 400 700 900 1000	.6 1.0 2.1 3.0 4.5 6.6 8.9 10.1 10.9	2.0 3.3 6.9 9.8 14.8 21.6 29.2 33.1 35.8
											100% Sweep tested. 5 MHz to 450 MHz.								
Foam Polyethylene Insulation • Black PVC Jacket																			
80°C	**9274**	NEC: CM CEC: CM	500 1000	152.4 304.8	16.5 32.0	7.5 14.5	20 AWG (solid) .032″ BCCS 44.5Ω/M′ 146.0Ω/km	.143	3.63	BC Braid 95% Shield Coverage 3.5Ω/M′ 11.5Ω/km	.240	6.10	75	78%	17.3	56.7	1 10 50 100 200 400 700 900 1000	.6 1.0 2.1 3.0 4.5 6.6 8.9 10.1 10.9	2.0 3.3 6.9 9.8 14.8 21.6 29.2 33.1 35.8
											100% Sweep tested. 5 MHz to 450 MHz.								
20 AWG Solid .032″ Bare Copper Conductor • 95% Bare Copper Braid Shield																			
Gas-injected Foam HDPE Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 75°C)	**1426A**	NEC: CM	U-1000	U-304.8	38.0	17.3	20 AWG (solid) .032″ BC 10.0Ω/M′ 32.8Ω/km	.145	3.68	BC Braid 95% Shield Coverage 2.6Ω/M 8.5Ω/km	.242	6.15	75	83%	16.3	53.5	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.6 3.6 5.0 7.0 8.0 8.5	1.0 3.0 6.2 8.5 11.8 16.4 23.0 26.3 27.9

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

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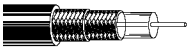
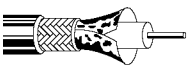
†Spools and/or UnReel® cartons are one piece, but length may vary ±5% from length shown.

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Profrac Holding Corporation and U.S. Well Services, LLC v. Halliburton Energy Services, Inc.
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Standard Analog Video Cable

RG-6/U Type

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
21 AWG Solid .028″ Bare Copper-covered Steel • Two Bare Copper Braids (97% Shield Coverage)																			
Polyethylene Insulation • Black Polyethylene Jacket																			
MATV Cable 80°C	**8215**		1000	304.8	74.0	33.6	21 AWG (solid) .028″ BCCS 32.0Ω/M′ 105.0Ω/km	.185	4.70	(2) BC Braids 97% Shield Coverage 1.1Ω/M′ 3.6Ω/km	.332	8.43	75	66%	20.5	67.2	1 10 50 100 200 400 700 900 1000	.4 .8 1.9 2.7 4.1 5.9 8.1 9.4 9.8	1.3 2.6 6.2 8.9 13.4 19.4 26.6 30.8 32.1
											100% Sweep tested. 5 MHz to 450 MHz.								
18 AWG Solid .037″ Bare Copper • Two Bare Copper Braids (98% Shield Coverage)																			
Foam Polyethylene Insulation • Black PVC Jacket																			
80°C	**9290**	NEC: CM CEC: CM	1000 2000	304.8 609.6	60.0 120.0	27.3 54.5	18 AWG (solid) .037″ BC 7.5Ω/M′ 24.6Ω/km	.180	4.57	(2) BC Braids 98% Shield Coverage 2.0Ω/M′ 6.6Ω/km	.288	7.32	75	78%	17.3	56.7	1 10 50 100 200 400 700 900 1000	.2 .7 1.7 2.5 3.6 5.3 7.2 8.3 8.8	.7 2.3 5.6 8.2 11.8 17.4 23.6 27.2 28.9
											100% Sweep tested. 5 MHz to 450 MHz.								
18 AWG Solid .040″ Bare Copper • Duofoil® + Tinned Copper Braid Shield																			
Gas-injected Foam HDPE Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	**9248**	NEC: CM CEC: CM	U-500 500 U-1000 1000 1640 3280	U-152.4 152.4 U-304.8 304.8 500.0 1000.0	17.0 18.0 33.0 33.0 55.8 108.2	7.7 8.2 15.0 15.0 25.3 49.2	18 AWG (solid) .040″ BC 6.4Ω/M′ 21.0Ω/km	.180	4.57	Duofoil + 60% TC Braid 5.6Ω/M′ 18.4Ω/km	.270	6.86	75	82%	16.2	53.1	1 10 50 100 200 400 700 900 1000	.3 .7 1.5 2.0 2.8 4.0 5.3 6.1 6.5	1.0 2.3 4.9 6.6 9.2 13.1 17.4 20.0 21.3
											For Plenum versions of 9248, see 89248 or 82248. 100% Sweep tested. 5 MHz to 450 MHz.								
Plenum • Foam FEP Insulation • Black FEP Jacket																			
200°C	**89248**	NEC: CMP CEC: CMP FT6	500† 1000† 2000†	152.4 304.8 609.6	18.0 36.0 70.0	8.2 16.4 31.8	18 AWG (solid) .040″ BC 6.4Ω/M′ 21.0Ω/km	.170	4.32	Duofoil + 65% TC Braid 5.1Ω/M′ 16.7Ω/km	.222	5.64	75	82%	16.2	53.1	1 10 50 100 200 400 700 900 1000	.3 .66 1.5 2.1 3.1 4.5 6.0 6.9 7.3	1.0 2.2 4.9 6.9 10.2 14.8 19.7 22.6 23.9
											100% Sweep tested. 5 MHz to 450 MHz.								
Suitable for Outdoor and Direct Burial applications.																			
Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket																			
75°C	**82248**	NEC: CMP CEC: CMP FT6	U-1000† 1000†	U-304.8 304.8	32.0 33.0	14.5 15.0	18 AWG (solid) .040″ BC 6.4Ω/M′ 21.0Ω/km	.170	4.32	Duofoil + 65% TC Braid 5.1Ω/M′ 16.7Ω/km	.222	5.64	75	82%	16.2	53.1	1 10 50 100 200 400 700 900 1000	.3 .7 1.6 2.2 3.0 4.6 6.6 7.7 8.2	1.0 2.3 5.2 7.2 9.8 15.1 21.6 25.3 26.9
											100% Sweep tested. 5 MHz to 450 MHz.								

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

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Standard Analog Video Cable

RG-11/U Type

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
18 AWG Stranded (7x26) .048″ Tinned Copper • 97% Bare Copper Braid Shield																			
Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket																			
80°C	**8238**	NEC:	500	152.4	59.0	26.8	18 AWG	.285	7.24	BC Braid	.405	10.29	75	66%	20.5	67.2	1	.2	.6
		CM	1000	304.8	117.0	53.2	(7x26)			97% Shield							10	.7	2.2
		CEC:					.048″			Coverage							50	1.3	4.3
		CM					TC			1.2Ω/M′							100	2.0	6.6
							6.1Ω/M′			3.9Ω/km							200	2.9	9.5
							20.0Ω/km										400	4.2	13.8
																	700	5.8	19.0
																	900	6.8	22.3
																	1000	7.1	23.3
Polyethylene Insulation • Non-contaminating Black PVC Jacket																			
60°C	**8261**		500	152.4	52.5	23.9	18 AWG	.285	7.24	BC Braid	.405	10.29	75	66%	20.5	67.2	1	.2	.6
VW-1			1000	304.8	104.0	47.3	(7x26)			97% Shield							10	.7	2.2
							.048″			Coverage							50	1.3	4.3
							TC			1.2Ω/M′							100	2.0	6.6
							6.1Ω/M′			3.9Ω/km							200	2.9	9.5
							20.0Ω/km										400	4.2	13.8
																	700	5.8	19.0
																	900	6.8	22.3
																	1000	7.1	23.3
14 AWG Solid .064″ Bare Copper • Duofoil® + Tinned Copper Braid Shield																			
Gas-injected Foam HDPE Insulation • Black PVC Jacket																			
80°C	**9292**		1000	304.8	81.0	36.8	14 AWG	.280	7.11	Duofoil	.405	10.29	75	84%	16.1	52.8	1	.2	.6
							(solid)			+ 60% TC							10	.5	1.6
							.064″			Braid	For Plenum versions of 9292, see 89292.						50	.9	3.0
							BC			3.0Ω/M′							100	1.3	4.3
							2.6Ω/M′			9.8Ω/km							200	1.6	5.3
							8.5Ω/km				100% Sweep tested. 5 MHz to 450 MHz.						400	2.3	7.6
																	700	3.3	10.8
																	900	4.0	13.1
																	1000	4.3	14.1
Plenum • Foam FEP Insulation • Black FEP Jacket																			
200°C	**89292**	NEC:	500†	152.4	39.5	18.0	14 AWG	.274	6.96	Duofoil	.346	8.79	75	83%	16.2	53.1	1	.2	.5
		CMP	1000†	304.8	77.0	35.0	(solid)			+ 63% TC							10	.4	1.3
		CATVP					.064″			Braid							50	1.0	3.3
		CEC:					BC			3.0Ω/M′							100	1.5	4.9
		CMP FT6					2.5Ω/M′			9.8Ω/km							200	2.2	7.2
							8.2Ω/km				100% Sweep tested. 5 MHz to 450 MHz.						400	3.3	10.8
																	700	4.5	14.8
																	900	5.2	17.1
																	1000	5.5	18.0
14 AWG Solid .064″ Bare Copper • 97% Bare Copper Braid Shield																			
Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket																			
80°C	**8213**		500	152.4	44.0	20.0	14 AWG	.285	7.24	BC Braid	.405	10.29	75	84%	16.1	52.8	1	.2	.6
			1000	304.8	87.0	39.5	(solid)			97% Shield							10	.4	1.1
			2000	609.6	172.0	78.2	.064″			Coverage							50	.9	3.0
							BC			1.1Ω/M′							100	1.3	4.3
							2.6Ω/M′			3.6Ω/km							200	1.9	6.2
							8.5Ω/km				100% Sweep tested. 5 MHz to 450 MHz.						400	2.9	9.5
																	700	4.1	13.5
																	900	4.8	15.7
																	1000	5.2	17.1

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

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Precision Video Cable for Analog and Digital

Sub-Miniature RG-59/U Type

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

25 AWG Stranded (19x37) .021″ Bare Copper • Duofoil® + 95% Tinned Copper Braid Shield

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)▲

75°C	**1865A**	NEC: CMR	1000	304.8	16.0	7.3	25 AWG (19x37) .021″ BC 27.4Ω/M′ 89.9Ω/km	.094	2.39	Duofoil + 95% TC Braid 5.4Ω/M′ 17.7Ω/km	.150	3.81	75	82%	16.5	54.1	1	.5	1.5
		CEC: CMG FT4															3.6	1.0	3.1
																	10	1.6	5.2
																	71.5	3.7	12.1
																	135	5.0	16.4
																	270	7.1	23.3
																	360	8.2	26.9
											100% Sweep tested. 5 MHz to 3 GHz.						540	10.1	33.1
																	720	11.8	38.7
																	750	12.0	39.4
																	1000	13.9	45.6
																	1500	17.0	55.8
																	2250	20.8	68.2
																	3000	24.0	78.7

23 AWG Solid .023″ Bare Copper • Duofoil + 95% Tinned Copper Braid Shield

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*

SDI/HDTV Digital Video 75°C	**1855A**	NEC: CMR	500▲ 1000	152.4 304.8	9.0 18.0	4.1 8.2	23 AWG (solid) .023″ BC 20.1Ω/M′ 65.9Ω/km	.102	2.59	Duofoil + 95% TC Braid 7.6Ω/M′ 24.9Ω/km	.159	4.03	75	83%	16.3	53.5	1	.4	1.3
		CEC: CMG FT4	U-1000◆	U-304.8	18.0	8.2											3.6	.8	2.6
																	10	1.2	3.9
																	71.5	3.1	10.0
																	135	3.8	12.5
																	270	5.4	17.7
											Also available in multiples, bundled. See 7787A through 7792A.						360	6.2	20.3
																	540	7.7	25.3
											100% Sweep tested. 5 MHz to 3 GHz.						720	9.5	31.1
																	750	9.6	31.5
																	1000	10.5	34.4
																	1500	13.0	42.6
																	2250	16.0	52.5
																	3000	18.5	60.7

▲500 ft. put-up available in Black only.
◆U-1000 ft. put-up available in Gray only.

BC = Bare Copperr • DCR = DC Resistance • HDPE = Foam High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

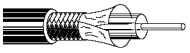
*Available in Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White or Black.

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Precision Video Cable for Analog and Digital

RG-59/U Type

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
23 AWG Stranded (7x32) .023″ Bare Compacted Copper* • 95% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black Polyethylene Jacket																			
80°C	**8279**		500	152.4	14.5	6.6	23 AWG	.146	3.71	TC	.220	5.59	75	66%	21.0	68.9	1	.4	1.1
			1000	304.8	28.0	12.7	(7x32) .023″ BCC 19.1Ω/M′ 62.6Ω/km			+ 95% Shield Coverage 4.5Ω/M′ 14.8Ω/km	100% Sweep tested. 5 MHz to 850 MHz.						3.6	.6	2.0
																	10.0	1.2	3.9
																	71.5	3.3	10.8
																	135	4.7	15.4
																	270	6.8	22.3
																	360	8.0	26.2
																	540	9.9	32.5
																	720	11.6	38.0
																	750	11.9	39.0
																	1000	13.8	45.3
23 AWG Solid .022″ Bare Copper • Duofoil® + 95% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black Polyethylene Jacket																			
80°C	**9209**		U-500	U-152.4	15.0	6.8	23 AWG	.146	3.71	Duofoil	.220	5.59	75	66%	21.0	68.9	1	.4	1.2
			U-1000	U-304.8	29.0	13.2	(solid) .022″ BC 20.4Ω/M′ 66.9Ω/km			+ 95% TC Braid 4.5Ω/M′ 14.8Ω/km	100% Sweep tested. 5 MHz to 850 MHz.						3.6	.5	1.8
																	10.0	1.2	3.8
																	71.5	2.9	9.5
																	135	4.0	13.0
																	270	5.6	18.4
																	360	6.6	21.5
																	540	8.3	27.2
																	720	9.7	31.7
																	750	9.9	32.5
																	1000	11.6	38.0
Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 75°C)	**9209A**	NEC: CMR CEC: CMG FT4	U-1000	U-304.8	35.0	15.9	23 AWG	.146	3.71	Duofoil	.220	5.59	75	66%	20.5	67.2	1	.4	1.2
							(solid) .022″ BC 20.4Ω/M′ 66.9Ω/km			+ 95% TC Braid 4.5Ω/M′ 14.8Ω/km	100% Sweep tested. 5 MHz to 850 MHz.						3.6	.5	1.8
																	10.0	1.2	3.8
																	71.5	2.9	9.5
																	135	4.0	13.0
																	270	5.6	18.4
																	360	6.6	21.5
																	540	8.6	28.3
																	720	10.1	33.2
																	750	10.4	34.1
																	1000	12.8	41.9

BC = Bare Copper • BCC = Bare Compacted Copperr • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

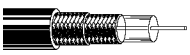
*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

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Precision Video Cable for Analog and Digital

RG-59/U Type

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
20 AWG Solid .032″ Bare Copper • Duofoil® + 95% Tinned Copper Braid Shield																			
Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)▪																			
SDI/HDTV Digital Video 75°C	**1505A**	NEC: CMR CEC: CMG FT4	500▲ 1000♦ 5000♦	152.4 304.8 1524.0	17.5 36.0 165.4	8.0 16.4 75.2	20 AWG (solid) .032″ BC 10.0Ω/M′ 32.8Ω/km	.145	3.68	Duofoil + 95% TC Braid 3.8Ω/M′ 12.5Ω/km	.234	5.94	75	83%	16.3	53.5	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.3 .6 .9 2.1 2.7 3.8 4.4 5.5 6.4 6.5 7.6 9.3 11.6 13.4	1.0 1.8 2.9 6.9 8.9 12.5 14.4 18.0 21.0 21.3 24.9 30.5 38.0 44.0
											For Plenum version of 1505A, see 1506A. Also available in bundled versions. See 7794A through 7798A. 100% Sweep tested. 5 MHz to 3 GHz.									
▲500 ft. put-up available in Black, Red or Blue only. ♦1000 ft. and 5000 ft. put-ups available in all ten colors: Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray or White.																			
22 AWG Stranded (7x29) .031″ Bare Compacted Copper* • Double Tinned Copper Braid Shield																			
Gas-injected Foam HDPE Insulation • PVC Jacket (Matte Black, Red, Green, Blue, Yellow, White or Violet)																			
High-Flex SDI/HDTV Video Patch 75°C	**1505F** new	NEC: CM CEC: CM	1000	304.8	44.0	20.0	22 AWG (7x29) .031″ BCC 12.2Ω/M′ 40.0Ω/km	.145	3.68	TC Double Braid 95% Shield Coverage 2.4Ω/M′ 7.8Ω/km	.242	6.15	75	80%	17.0	55.7	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.2 .5 .9 2.5 3.5 5.1 6.0 7.4 8.7 8.9 10.5 13.3 16.9 20.3	.7 1.6 2.9 8.2 11.5 16.7 19.7 24.3 28.5 29.2 34.4 43.6 55.4 66.6
											100% Sweep tested. 5 MHz to 3 GHz.									
*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.																			
20 AWG Solid .032″ Bare Copper • Duofoil + 95% Tinned Copper Braid Shield																			
Plenum • Foam FEP Insulation • Flamarrest® Jacket (Available in 10 colors)▸																			
SDI/HDTV Digital Video 75°C	**1506A**	NEC: CMP CEC: CMP FT6	500 †▾ 1000 †▸	152.4 304.8	16.5 33.0	7.5 15.0	20 AWG (solid) .032″ BC 10.0Ω/M′ 32.8Ω/km	.133	3.38	Duofoil + 95% TC Braid 3.8Ω/M′ 10.5Ω/km	.199	5.05	75	84%	16.1	52.8	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.3 .6 1.1 2.3 3.2 4.6 5.3 6.4 7.3 7.5 9.4 12.8 17.5 21.9	1.0 2.0 3.4 7.4 10.5 14.9 17.2 21.0 23.9 24.6 30.8 42.0 57.4 71.8
											100% Sweep tested. 5 MHz to 3 GHz.									
Suitable for Outdoor and Direct Burial applications. ▾500 ft. put-up available in Black or Natural only. ▸1000 ft. put-up available in all ten colors: Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray or Natural.																			
20 AWG Solid .031″ Bare Copper • 98% Tinned Copper Double Braid Shield																			
Polyethylene Insulation • Gray Non-contaminating PVC Jacket																			
60°C VW-1	**9231**	NEC: CMH CEC: CMH FT1	500 1000	152.4 304.8	38.0 76.0	17.3 34.5	20 AWG (solid) .031″ BC 9.9Ω/M′ 32.5Ω/km	.198	5.03	TC Double Braid 98% Shield Coverage 1.1Ω/M′ 3.6Ω/km	.305	7.75	75	66%	21.0	68.9	1 3.6 10.0 71.5 135 270 360 540 720 750 1000	.3 .5 .8 2.0 3.5 4.3 5.0 6.2 7.2 7.4 9.1	1.0 1.6 2.6 6.6 11.5 14.1 16.4 20.3 23.6 24.3 29.8
											100% Sweep tested. 5 MHz to 850 MHz.									

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

†Spools are one piece, but length may vary ±10% from length shown.

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Precision Video Cable for Analog and Digital

RG-59/U Type

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
20 AWG Solid .031″ Bare Copper • 98% Tinned Copper Double Braid Shield *(continued)*																			
Polyethylene Insulation • Clear Polyethylene Jacket																			
Indoor Use 80°C	**9141**		1000	304.8	73.0	33.2	20 AWG (solid) .031″ BC 9.9Ω/M′ 32.5Ω/km	.200	5.06	TC Double Braid 98% Shield Coverage 1.1Ω/M′ 3.6Ω/km	.305	7.75	75	66%	20.0	65.6	1 3.6 10.0 71.5 135 270 360 540 720 750 1000	.3 .5 .8 2.0 3.5 4.3 5.0 6.2 7.2 7.4 9.1	.3 1.0 1.6 2.6 6.6 11.5 14.1 16.4 20.3 23.6 24.3 29.8
											100% Sweep tested. 5 MHz to 850 MHz.								
20 AWG Solid .031″ Bare Copper • 98% Tinned Copper Double Braid Shield																			
Polyethylene Insulation • Polyethylene Jacket (Available in Red, Yellow, Green, Light Blue, White, Orange or Black)																			
80°C	**8281**		500▲ 1000	152.4 304.8	37.0 74.0	16.8 33.6	20 AWG (solid) .031″ BC 9.9Ω/M′ 32.5Ω/km	.198	5.03	TC Double Braid 98% Shield Coverage 1.1Ω/M′ 3.6Ω/km	.305	7.75	75	66%	21.0	68.9	1 3.6 10.0 71.5 135 270 360 540 720 750 1000	.3 .5 .8 2.1 3.0 4.3 5.1 6.3 7.4 7.6 9.2	.8 1.8 2.6 6.9 9.8 14.1 16.6 20.7 24.3 24.9 30.2
											For Plenum version of 8281, see 88281.								
											100% Sweep tested. 5 MHz to 850 MHz.								
▲500 ft. put-up not available in White.																			
Flame-retardant Semi-foam Polyethylene Insulation • PVC Jacket (Available in 10 colors)♦																			
UL AWM Style 1354 (30V 80°C)	**8281B**	NEC: CMR CEC: CMG FT4	1000	304.8	85.0	38.6	20 AWG (solid) .031″ BC 9.9Ω/M′ 32.5Ω/km	.198	5.03	TC Double Braid 98% Shield Coverage 1.1Ω/M′ 3.6Ω/km	.305	7.75	75	66%	21.0	68.9	1 3.6 10.0 71.5 135 270 360 540 720 750 1000	.3 .5 .8 2.1 3.0 4.4 5.1 6.6 7.8 8.0 10.2	.8 1.8 2.6 6.9 9.8 14.4 16.6 21.5 25.4 26.2 33.5
											For Plenum version of 8281B, see 88281.								
											100% Sweep tested. 5 MHz to 850 MHz.								
♦8281B available in Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White or Black.																			
22 AWG Stranded (7x29) .031″ Bare Compacted Copper* • Double Tinned Copper Braid Shield																			
Polyethylene Insulation • PVC Jacket (Matte Red, Blue, Green, Gray or Black)																			
High-Flex 60°C	**8281F**		500‣ 1000	152.4 304.8	32.0 65.0	14.5 29.5	22 AWG (7x29) .031″ BCC 12.2Ω/M′ 40.0Ω/km	.193	4.90	TC Double Braid 98% Shield Coverage 1.7Ω/M′ 5.6Ω/km	.305	7.75	75	66%	21.0	68.9	1 3.6 10.0 71.5 135 270 360 540 720 750 1000	.3 .5 .9 2.5 3.6 5.1 6.0 7.4 8.7 8.9 10.5	.9 1.7 2.9 8.0 11.6 16.7 19.7 24.3 28.5 29.2 34.4
											100% Sweep tested. 5 MHz to 850 MHz.								
‣500 ft. put-up available in Black only.																			
20 AWG Solid .031″ Bare Copper • 98% Tinned Copper Double Braid Shield																			
Plenum • FEP Insulation • Black Fluorocopolymer Jacket																			
150°C	**88281**	NEC: CMP CEC: CMP FT6	500† 1000†	152.4 304.8	46.0 86.0	20.9 39.1	20 AWG (solid) .032″ BC 9.9Ω/M′ 32.5Ω/km	.185	4.70	TC Double Braid 98% Shield Coverage 1.1Ω/M′ 3.6Ω/km	.271	6.88	75	71%	19.0	62.4	1 3.6 10.0 71.5 135 270 360 540 720 750 1000	.2 .5 .8 2.3 3.3 5.1 6.1 8.0 9.7 10.0 12.3	.7 1.6 2.6 7.5 10.8 16.7 20.0 26.2 31.8 32.8 40.3
											100% Sweep tested. 5 MHz to 216 MHz.								
Suitable for Outdoor and Direct Burial applications.																			

BC = Bare Copper • DCR = DC Resistance • BCC = Bare Compacted Copper • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

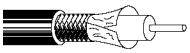
*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.
†Spools are one piece, but length may vary ±10% from length shown.

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Precision Video Cable for Analog and Digital

RG-6/U and RG-11/U Type

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
RG-6/U Type • 18 AWG Solid .040″ Bare Copper • Duofoil® + 95% Tinned Copper Braid Shield																			
Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*																			
SDI/HDTV Digital Video 75°C	**1694A** new	NEC: CMR CEC: CMG FT4	500▲ 1000 4500	152.4 304.8 1371.6	23.0 45.0 200.5	10.5 20.5 91.1	18 AWG (solid) .040″ BC 6.4Ω/M′ 21.0Ω/km	.180	4.57	Duofoil + 95% TC Braid 2.8Ω/M′ 9.2Ω/km	.275	6.99	75	82%	16.2	53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.2 .5 .7 1.6 2.1 3.0 3.4 4.3 4.9 5.0 5.9 7.3 9.1 10.7	.8 1.5 2.4 5.2 6.9 9.7 11.3 13.9 16.1 16.4 19.3 24.0 30.0 35.0
											For Plenum version of 1694A, see 1695A. Also available in bundled versions. See 7710A through 7713A. 100% Sweep tested. 5 MHz to 3 GHz.								
▲500 ft. put-up available in Black only.																			
Plenum • Foam FEP Insulation • Flamarrest® Jacket (Available in 10 colors)**																			
SDI/HDTV Digital Video 75°C	**1695A** new	NEC: CMP CEC: CMP FT6	500 †♦ 1000 †	152.4 304.8	22.5 45.0	10.2 20.5	18 AWG (solid) . 040″ BC 6.4Ω/M′ 21.0Ω/km	.170	4.32	Duofoil + 95% TC Braid 2.8Ω/M′ 9.2Ω/km	.234	5.94	75	82%	16.2	53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.2 .5 .8 1.8 2.4 3.4 4.0 5.2 6.1 7.3 7.5 9.2 11.6 13.7	.8 1.5 2.5 5.8 7.9 11.2 13.1 17.1 20.0 23.9 24.6 30.2 38.0 44.9
											100% Sweep tested. 5 MHz to 3 GHz.								
♦500 ft. put-up available in Black, Red, Yellow, Violet or Natural only.																			
RG-11/U Type • 14 AWG Solid .064″ Bare Copper • Duofoil + 95% Tinned Copper Braid Shield																			
Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*																			
SDI/HDTV Digital Video 75°C	**7731A**	NEC: CMR CEC: CMG FT4	500▼ 1000 4000	152.4 304.8 1219.2	48.0 94.0 467.0	21.8 42.8 212.3	14 AWG (solid) .064″ BC 2.5Ω/M′ 8.2Ω/km	.280	7.11	Duofoil + 95% TC Braid 1.5Ω/M′ 4.9Ω/km	.405	10.3	75	85%	16.0	52.4	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.2 .3 .5 1.1 1.5 2.1 2.5 3.1 3.6 3.7 4.3 5.5 6.9 8.2	.5 1.0 1.5 3.6 4.8 6.9 8.0 10.0 11.7 12.0 14.1 18.0 22.6 26.9
											100% Sweep tested. 5 MHz to 3 GHz.								
▼500 ft. put-up available in Red or Black only.																			
Plenum • Foam FEP Insulation • Fluorocopolymer Jacket (Available in 10 colors)**																			
SDI/HDTV Digital Video 150°C	**7732A** new	NEC: CMP CEC: CMP FT6	500◗ 1000 2000✦	152.4 304.8 609.6	45.0 88.0 176.0	20.5 40.0 80.0	14 AWG (solid) .064″ BC 2.5Ω/M′ 8.2Ω/km	.274	6.96	Duofoil + 95% TC Braid 2.5Ω/M′ 8.2Ω/km	.348	8.84	75	83%	16.3	53.5	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.2 .3 .4 1.2 1.8 2.6 3.1 3.9 4.6 4.7 5.5 6.9 9.2 10.2	.5 .9 1.3 4.1 5.8 8.5 10.2 12.8 15.0 15.4 18.0 22.7 30.2 33.5
											100% Sweep tested. 5 MHz to 3 GHz.								
◗500 ft. put-up available in Black or Natural only. ✦2000 ft. put-up available in Natural only. Suitable for Outdoor and Direct Burial applications.																			

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG-U cables not listed.

* Available in Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray or White.
** Available in Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray or Natural.
† Spools are one piece, but length may vary ±10% from length shown.

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Brilliance VideoFLEX® Snake Cable for Precision Analog and Digital Video

Miniature and RG-59/U Type

BRILLIANCE®

Miniature • 23 AWG Solid .023″ Bare Copper • Duofoil® + 95% Tinned Copper Braid (100% Shield Coverage)

Solid Copper, Gas-injected Foam HDPE Insulation • Overall Matte Black PVC Jacket (Color Code: See chart below)

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
SDI/HDTV Digital Video 75°C **(1855A Bundled)** 	**7787A** new	NEC: CMR CEC: CMG FT4	3	500 1000	152.4 304.8	47.5 94.0	21.6 42.7	23 AWG (solid) .023″ BC 20.1Ω/M′ 65.9Ω/km	.102 Coax OD: .159	2.55 4.03	Duofoil + 95% TC Braid 7.6Ω/M′ 24.9Ω/km	.432	10.97	75	83%	16.5	54.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500	.4 .8 1.2 3.1 3.8 5.4 6.2 7.7 9.1 9.5 10.5 13.0	1.3 2.6 3.9 10.0 12.5 17.7 20.3 25.3 29.8 31.2 34.4 42.6
	7788A new	NEC: CMR CEC: CMG FT4	4	1000	304.8	111.0	50.5	same as above	.102 Coax OD: .159	2.55 4.03	same as above	.481	12.22							
	7789A new	NEC: CMR CEC: CMG FT4	5	500 1000	152.4 304.8	72.5 141.0	33.0 64.1	same as above	.102 Coax OD: .159	2.55 4.03	same as above	.539	13.69							
	7790A new	NEC: CMR CEC: CMG FT4	6	500 1000	152.4 304.8	88.5 175.0	40.2 79.5	same as above	.102 Coax OD: .159	2.55 4.03	same as above	.597	15.16							
	7791A new	NEC: CMR CEC: CMG FT4	10	500 1000	152.4 304.8	155.5 303.0	70.7 137.7	same as above	.102 Coax OD: .159	2.55 4.03	same as above	.796	20.22							
	7792A new	NEC: CMR CEC: CMG FT4	12	500 1000	152.4 304.8	171.5 353.0	78.0 160.5	same as above	.102 Coax OD: .159	2.55 4.03	same as above	.825	20.96							

Sweep tested 5 MHz to 3 GHz.

RG-59/U Type • 20 AWG Solid .032″ Bare Copper • Duofoil + 95% Tinned Copper Braid (100% Shield Coverage)

Gas-injected Foam HDPE Insulation • Overall Matte Black PVC Jacket (Color Code: See chart below)

SDI/HDTV Digital Video 75°C **(1505A Bundled)** 	**7794A** new	NEC: CMR CEC: CMG FT4	3	500 1000	152.4 304.8	94.5 188.0	43.0 85.5	20 AWG (solid) .032″ BC 10.0Ω/M′ 32.8Ω/km	.145 Coax OD: .235	3.68 5.97	Duofoil + 95% TC Braid 3.8Ω/M′ 12.5Ω/km	.631	16.03	75	83%	16.3	53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500	.3 .6 .9 2.1 2.7 3.8 4.4 5.5 6.4 6.5 7.6 9.3	1.0 1.8 2.9 6.9 8.9 12.5 14.4 18.0 21.0 21.3 24.9 30.5
	7795A new	NEC: CMR CEC: CMG FT4	4	500 1000	152.4 304.8	116.5 237.0	53.0 107.7	same as above	.145 Coax OD: .235	3.68 5.97	same as above	.706	17.93							
	7796A new	NEC: CMR CEC: CMG FT4	5	500 1000	152.4 304.8	150.0 293.0	68.2 133.2	same as above	.145 Coax OD: .235	3.68 5.97	same as above	.790	20.07							
	7798A new	NEC: CMR CEC: CMG FT4	10	500 1000	152.4 304.8	319.5 625.0	145.2 284.1	same as above	.145 Coax OD: .235	3.68 5.97	same as above	1.166	29.62							

Sweep tested 5 MHz to 3 GHz.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

See Connector Reference Guide at www.belden.com for connector recommendations.

Color Code Chart

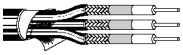
Cond.	Color	Cond.	Color	Cond.	Color
1	Red	5	Yellow	9	Violet
2	Green	6	Brown	10	Black
3	Blue	7	Orange	11	Pink
4	White	8	Gray	12	Tan

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Brilliance VideoFLEX® Snake Cable for Precision Analog and Digital Video

RG-6/U Type

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
RG-6/U Type • 18 AWG Solid .040″ Bare Copper • Duofoil® + 95% Tinned Copper Braid Shield																				
Gas-injected Foam HDPE Insulation • Overall Matte Black PVC Jacket (Color Code: See chart below)																				
SDI/HDTV Digital Video 60°C **(1694A Bundled)** 	**7710A**	NEC: CMR CEC: CMG FT4	3	500 1000	152.4 304.8	131.5 273.0	59.8 124.1	18 AWG (solid) .040″ BC 6.4Ω/M′ 21.0Ω/km	.180 Coax OD: .257	4.57 6.99	Duofoil + 95% TC Braid 2.8Ω/M′ 9.2Ω/km	.770	19.56	75	82%	16.2	53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2500 3000	.2 .5 .7 1.6 2.1 3.0 3.4 4.3 4.9 5.0 5.9 7.3 9.7 10.0	.8 1.5 2.4 5.2 6.9 9.7 11.3 13.9 16.1 16.4 19.3 24.0 31.8 32.8
	7711A	NEC: CMR CEC: CMG FT4	4	500 1000	152.4 304.8	174.0 339.0	79.1 154.1	same as above	.180 Coax OD: .257	4.57 6.99	same as above	.900	22.86							
	7712A	NEC: CMR CEC: CMG FT4	5	500 1000	152.4 304.8	209.5 440.0	95.2 200.0	same as above	.180 Coax OD: .257	4.57 6.99	same as above	.942	23.93							
	7713A	NEC: CMR CEC: CMG FT4	10	500 1000	152.4 304.8	450.0 878.0	204.5 399.1	same as above	.180 Coax OD: .257	4.57 6.99	same as above	1.386	35.20							

Sweep tested 5 MHz to 3 GHz.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.
See Connector Reference Guide at www.belden.com for connector recommendations.

Color Code Chart

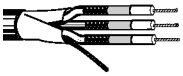
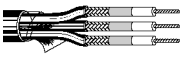
Cond.	Color	Cond.	Color
1	Red	6	Brown
2	Green	7	Orange
3	Blue	8	Gray
4	White	9	Violet
5	Yellow	10	Black

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Bundled RGB Cable

Miniature and High-Flex Type

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
Miniature • 30 AWG Stranded (7x38) .012″ Tinned Copper • Duofoil® + 90% TC Braid (Coaxes) • 100% Overall Beldfoil® Shield																				
Foam HDPE Insulation • Overall Black PVC Jacket (Color Code: Red, Green, Blue, White, Yellow)																				
UL AWM Style 1354 (30V 60°C) 	**1520A**	NEC: CL2	3	500 1000	152.4 304.8	25.0 50.0	11.4 22.7	30 AWG (7x38) .012″ TC 100.0Ω/M′ 328.0Ω/km	.056 Coax OD: .102	1.42 2.59	Coaxes: Duofoil + 90% TC Braid Overall: Beldfoil 9.5Ω/M′ 31.2Ω/km	.283	7.19	75	78%	17.3	56.7	1 5 10 30 50 100 200 400 700 900 1000	.8 1.5 2.2 4.0 5.4 8.2 12.5 18.9 26.5 30.8 32.8	2.6 4.9 7.2 13.1 17.7 26.9 41.0 62.0 86.9 101.0 107.6
	1521A	NEC: CL2	4	500 1000	152.4 304.8	30.0 60.0	13.6 27.3	same as above	.056 Coax OD: .102	1.42 2.59	same as above	.310	7.87							
	1522A	NEC: CL2	5	500 1000	152.4 304.8	34.0 68.0	15.5 30.9	same as above	.056 Coax OD: .102	1.42 2.59	same as above	.338	8.59	100% Sweep tested. 10 MHz to 40 MHz.							
High-Flex • 26 AWG Stranded (7x34) .019″ Bare Copper • Duofoil + 93% Tinned Copper Braid Shield																				
Foam HDPE Insulation • Overall Matte Black PVC Jacket (Color Code: Red, Green, Blue, White, Yellow)																				
60°C 	**1406B**		3	1000†	304.8	75.0	34.1	26 AWG (7x34) .019″ BC 41.5Ω/M′ 136.0Ω/km	.090 Coax OD: .146	2.29 3.71	Duofoil + 93% TC Braid 8.6Ω/M′ 28.2Ω/km	.388	9.86	75	78%	17.3	56.7	1 5 10 30 50 100 200 400 700 900 1000	.6 1.3 1.8 3.1 3.9 5.4 7.5 10.4 13.5 15.2 15.9	2.0 4.3 5.9 10.2 12.8 17.7 24.6 34.1 44.3 49.9 52.2
	1407B		4	1000†	304.8	100.0	45.5	same as above	.090 Coax OD: .146	2.29 3.71	same as above	.455	11.56							
	1417B		5	1000†	304.8	120.0	54.5	same as above	.090 Coax OD: .146	2.29 3.71	same as above	.477	12.12	100% Sweep tested. 10 MHz to 40 MHz.							

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

†Spools are one piece, but length may vary ±10% from length shown.

Color Code Chart

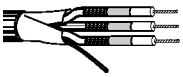
Cond.	Color
1	Red
2	Green
3	Blue
4	White
5	Yellow

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Bundled RGB Cable

CM and CMP Rated

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
26 AWG Stranded (7x34) .019″ Bare Copper • Duofoil® + 93% Tinned Copper Braid Shield • Overall Polyester Tape																				
Foam HDPE Insulation • Overall Black PVC Jacket • Inner PVC Jacket (Color Code: Red, Green, Blue, White, Yellow)																				
UL AWM Styles 1354 and 2668 (30V 60°C) 	**1164B**	NEC: CM	3	500† 1000†	152.4 304.8	39.5 78.0	18.0 35.5	26 AWG (7x34) .019″ BC 41.5Ω/M′ 136.1Ω/km	.090 Coax OD: .146	2.29 3.71	Duofoil + 93% TC Braid 8.6Ω/M′ 28.2Ω/km	.388	9.86	75	78%	17.3	56.7	1 5 10 30 50 100 200 400 700 900 1000	.6 1.3 1.8 3.1 3.9 5.4 7.5 10.4 13.5 15.2 15.9	2.0 4.3 5.9 10.2 12.8 17.7 24.6 34.1 44.3 49.9 52.2
	1167B	NEC: CM	4	1000†	304.8	105.0	47.7	same as above	.090 Coax OD: .146	2.29 3.71	same as above	.455	11.56							
	1418B	NEC: CM	5	500† 1000†	152.4 304.8	61.0 118.0	27.7 53.6	same as above	.090 Coax OD: .146	2.29 3.71	same as above	.477	12.12							
100% Sweep tested. 10 MHz to 40 MHz.																				
RG-59/U Type • 22 AWG Stranded (7x30) .030″ Bare Copper • Duofoil + 95% TC Braid (Coaxes) • 100% Overall Beldfoil® Shield																				
Plenum • Foam FEP Insulation • Overall Natural Flamarrest® Jacket • Inner Fluorocopolymer Jacket (See chart below)																				
60°C 	**1824A**	NEC: CMP	3	500 1000	152.4 304.8	63.5 127.0	28.9 57.7	22 AWG (7x30) .030″ BC 15.3Ω/M′ 50.2Ω/km	.135 Coax OD: .200	3.43 5.08	Coaxes: Duofoil + 95% TC Braid 2.5Ω/km 8.3Ω/km Overall: Beldfoil 100% Shield Coverage 11.1Ω/M′ 36.4Ω/km	.475	12.07	75	81%	17.3	56.7	1 5 10 30 50 100 200 400 700 900 1000	.3 .6 .8 1.5 2.0 2.9 4.3 6.6 9.4 11.1 11.9	.8 1.9 2.7 4.9 6.4 9.5 14.2 21.6 30.9 36.4 39.0
	1825A	NEC: CMP	4	500 1000	152.4 304.8	84.5 167.0	38.4 75.9	same as above	.135 Coax OD: .200	3.43 5.08	same as above	.527	13.39							
	1826A	NEC: CMP	5	500 1000	152.4 304.8	101.5 201.0	46.1 91.4	same as above	.135 Coax OD: .200	3.43 5.08	same as above	.585	14.86							
100% Sweep tested. 10 MHz to 40 MHz.																				

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a more Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

†Spools are one piece, but length may vary ±10% from length shown.

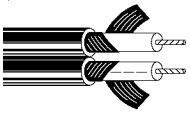
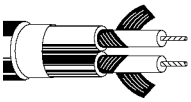
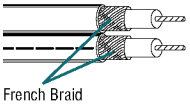
Color Code Chart

Cond.	Color
1	Red
2	Green
3	Blue
4	White
5	Yellow

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High-Flex SVHS Cable

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
30 AWG Stranded (7x38) .012″ Tinned Copper • Tinned Copper Serve (90% Shield Coverage)																				
Foam HDPE Insulation • Matte Black PVC Jacket (One Coax Printed and Striped for Identification)																				
Parallel Zip Construction 	**1807A**		2	U-500	U-152.4	8.0	3.6	30 AWG (7x38) .012″ TC 100.0Ω/M′ 328.0Ω/km	.058	1.47	TC Serve 90% Shield Coverage 7.5Ω/M′ 24.6Ω/km	.110 x .230	2.79 x 5.84	75	78%	17.3	56.7	1	.6	2.0
				U-500	U-152.4	8.5	3.9											5	1.4	4.6
				U-1000	U-304.8	15.0	6.8											10	2.1	6.9
				1000	304.8	19.0	8.6											30	3.8	12.5
																		50	5.1	16.7
																		100	7.6	24.9
																		200	11.3	37.1
												For Plenum version of 1807A, see 7700A.						400	16.9	55.4
																		700	23.3	76.4
																		900	26.9	88.2
																		1000	28.6	93.8
Foam HDPE Insulation • Matte Black PVC Jacket (Inner PVC Jackets Color Code: Black and Yellow)																				
Round Construction 	**1808A**		2	U-500	U-152.4	15.0	6.8	30 AWG (7x38) .012″ TC 100.0Ω/M′ 328.0Ω/km	.058 Coax OD: .100	1.47 2.54	TC Serve 90% Shield Coverage 7.5Ω/M′ 24.6Ω/km	.255	.84	75	78%	17.3	56.7	1	.6	2.0
				500	152.4	15.5	7.0											5	1.4	4.6
				U-1000	U-304.8	30.0	13.7											10	2.1	6.9
				1000	304.8	31.0	14.1											30	3.8	12.5
																		50	5.1	16.7
																		100	7.6	24.9
																		200	11.3	37.1
												Available in Plenum versions by special order only.						400	16.9	55.4
																		700	23.3	76.4
																		900	26.9	88.2
																		1000	28.6	93.8
30 AWG Stranded (7x38) .012″ Tinned Copper • Tinned Copper "French Braid" (98% Shield Coverage)																				
Plenum • Foam FEP Insulation • Black Flamarrest® Jacket (One Coax Printed and Striped for Identification)																				
Parallel Zip Construction  French Braid	**7700A**	NEC: CMP	2	500	152.4	10.5	4.8	30 AWG (7x38) .012″ TC 100.0Ω/M′ 328.0Ω/km	.053	1.35	TC "French Braid" 98% Shield Coverage 7.4Ω/M′ 24.3Ω/km	.107 x .214	2.72 x 5.44	75	78%	17.3	56.7	1	.7	2.3
				1000	304.8	19.0	8.6											5	1.7	5.6
																		10	2.3	7.5
																		30	4.1	13.4
																		50	5.3	17.4
																		100	7.6	24.9
																		200	11.8	38.7
																		400	17.6	57.7
																		700	24.2	79.4
																		900	28.0	91.8
																		1000	29.8	97.7

DCR = DC Resistance • TC = Tinned Copper • HDPE = High-density Polyethylene

Contact the Belden Wire & Cable Customer Service Department for a more Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

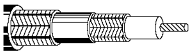
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Video Triax Cable
RG-59/U Type

BRILLIANCE®

22 AWG Stranded (19x34) .031″ Bare Copper • Two Bare Copper Braids (95% Shield Coverage)

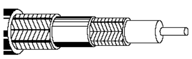
Foam Polyethylene Insulation • Belflex® Jacket (Red, Yellow, Green, Blue, Violet or Black. Polyethylene Insulation between Braids)

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m
High-Flex 80°C 	**1857A**		500 1000	152.4 304.8	42.5 86.0	19.3 39.1	22 AWG (19x34) .031″ BC 14.0Ω/M′ 45.9Ω/km	.143	3.63	(2) BC Braids 95% Coverage Inner: 2.5Ω/M′ 8.2Ω/km Outer: 1.6Ω/M′ 5.3Ω/km	.360	9.14	75	79%	17.0	55.8	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.3 .5 .8 2.2 3.1 4.5 5.4 6.8 8.1 8.4 10.1 13.3 17.6 21.4	1.0 1.6 2.6 7.2 10.2 14.8 17.7 22.3 26.6 27.6 33.1 43.6 57.7 70.2

100% Sweep tested. 5 MHz to 850 MHz.

20 AWG Solid .032″ Bare Copper • Two Bare Copper Braids (95% Shield Coverage)

Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket (Polyethylene Insulation between Braids)

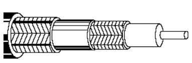
Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m
80°C 	**8232**		500 1000 2000	152.4 304.8 609.6	30.0 60.0 118.0	13.6 27.3 53.6	20 AWG (solid) .032″ BC 10.0Ω/M′ 32.8Ω/km	.145	3.68	(2) BC Braids 95% Coverage Inner: 2.5Ω/M′ 8.2Ω/km Outer: 2.8Ω/M′ 9.2Ω/km	.315	8.00	75	83%	16.2	53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.3 .6 .9 2.1 3.0 4.2 4.8 5.9 7.0 7.1 8.3 10.5 13.4 15.9	1.0 2.0 3.0 6.9 9.8 13.8 15.7 19.4 23.0 23.3 27.2 34.4 44.0 52.2

For Plenum version of 8232, see 88232.

100% Sweep tested. 5 MHz to 3 GHz.

Suitable for Outdoor and Direct Burial applications.

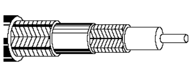
Gas-injected Foam HDPE Insulation • Black PVC Jacket (PVC Insulation between Braids)

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m
75°C 	**8232A**	NEC: CMR CEC: CMG FT4	1000	304.8	69.0	31.4	20 AWG (solid) .032″ BC 10.0Ω/M′ 32.8Ω/km	.145	3.68	(2) BC Braids 95% Coverage Inner: 2.5Ω/M′ 8.2Ω/km Outer: 2.8Ω/M′ 9.2Ω/km	.315	8.00	75	83%	16.2	53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.3 .6 .9 2.1 3.0 4.2 4.8 5.9 7.0 7.1 8.3 10.5 13.4 15.9	1.0 2.0 3.0 6.9 9.8 13.8 15.7 19.4 23.0 23.3 27.2 34.4 44.0 52.2

For Plenum version of 8232A, see 88232.

100% Sweep tested. 5 MHz to 3 GHz.

Plenum • Foam FEP Insulation • Black FEP Jacket (FEP Insulation between Braids)

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m
200°C 	**88232**	NEC: CMP CEC: CMG FT6	500† 1000†	152.4 304.8	31.0 61.0	14.1 27.7	20 AWG (solid) .032″ BC 10.0Ω/M′ 32.8Ω/km	.140	3.56	(2) BC Braids 95% Coverage Inner: 2.6Ω/M′ 8.5Ω/km Outer: 2.6Ω/M′ 8.5Ω/km	.246	6.25	75	80%	16.9	55.4	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.4 .6 .8 2.2 3.1 4.5 5.3 6.6 7.7 7.9 9.4 12.1 15.6 18.7	1.3 2.0 2.6 7.2 10.2 14.8 17.4 21.6 25.3 25.9 30.8 39.7 51.2 61.3

100% Sweep tested. 5 MHz to 3 GHz.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

†Spools are one piece, but length may vary ±10% from length shown.

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Video Triax Cable

RG-59/U Type

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

20 AWG Solid .032″ Bare Copper • Two Bare Copper Braids (95% Shield Coverage) *(continued)*

Gas-injected Foam HDPE Insulation • Belflex® Jacket (Red, Yellow, Green, Blue, Violet or Black); Polyethylene Insulation between Braids

80°C	**1856A**		500	152.4	41.0	18.6	20 AWG (solid) .032″ BC 10.6Ω/M′ 34.8Ω/km	.145	3.68	(2) BC Braids 95% Coverage Inner: 2.5Ω/M′ 8.2Ω/km Outer: 1.6Ω/M′ 5.3Ω/km	.360	9.14	75	83%	16.2	53.1	1	.3	1.0
			1000	304.8	83.0	37.7											3.6	.6	1.8
																	10	.8	2.7
																	71.5	2.2	7.2
																	135	3.0	9.8
																	270	4.2	13.8
																	360	4.8	15.7
																	540	5.9	19.4
																	720	6.9	22.6
																	750	7.1	23.3
																	1000	8.8	28.9
																	1500	12.0	39.4
																	2250	16.4	53.8
																	3000	20.4	66.9

100% Sweep tested. 5 MHz to 3 GHz.

Gas-injected Foam HDPE Insulation • Belflex Jacket (Red, Yellow, Green, Blue, Violet or Black); PVC Insulation between Braids

75°C	**1856B** new	NEC: CMR CEC: CMG FT4	1000	304.8	86.0	39.1	20 AWG (solid) .032″ BC 10.1Ω/M′ 33.1Ω/km	.145	3.68	(2) BC Braids 95% Coverage Inner: 2.5Ω/M′ 8.2Ω/km Outer: 1.6Ω/M′ 5.2Ω/km	.360	9.14	75	83%	16.2	53.1	1	.3	1.0
																	3.6	.6	1.8
																	10	.8	2.7
																	71.5	2.2	7.2
																	135	3.0	9.8
																	270	4.2	13.8
																	360	4.8	15.7
																	540	5.9	19.4
																	720	6.9	22.6
																	750	7.1	23.3
																	1000	8.8	28.9
																	1500	12.0	39.4
																	2250	16.4	53.8
																	3000	20.4	66.9

100% Sweep tested. 5 MHz to 3 GHz.

Gas-injected Foam HDPE Insulation • Paper Tape Separator • Black Hypalon® Jacket (Polyethylene Insulation between Braids)

80°C VW-1	**9267**		500	152.4	39.5	18.0	20 AWG (solid) .032″ BC 10.0Ω/M′ 32.8Ω/km	.145	3.68	(2) BC Braids 95% Coverage Inner: 2.5Ω/M′ 8.3Ω/km Outer: 2.6Ω/M′ 8.6Ω/km	.360	9.14	75	82%	16.3	53.5	1	.3	1.0
			1000	304.8	77.0	35.0											3.6	.6	2.0
																	10	.9	3.0
																	71.5	2.1	6.9
																	135	2.9	9.5
																	270	4.2	13.8
																	360	4.8	15.7
																	540	6.0	19.7
																	720	6.7	22.0
																	750	6.9	22.6
																	1000	8.3	27.2
																	1500	10.5	34.4
																	2250	13.4	44.0
																	3000	15.9	52.2

100% Sweep tested. 5 MHz to 3 GHz.

Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

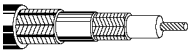
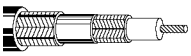
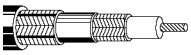
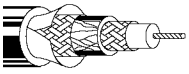
Hypalon is a DuPont trademark.

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Video Triax Cable

RG-11/U Type
75 Ohms

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
15 AWG Stranded (19x27) .064″ Bare Copper • Two Bare Copper Braids (95% Shield Coverage)																			
Foam Polyethylene Insulation • Belflex® Jacket (Red, Yellow, Green, Blue, Violet or Black: Polyethylene Insulation between Braids)																			
High-Flex 80°C	**1858A**		500 1000	152.4 304.8	81.0 158.0	36.8 71.8	15 AWG (19x27) .064″ BC 3.0Ω/M′ 9.8Ω/km	.312	7.92	(2) BC Braids 95% Coverage Inner: 1.6Ω/M′ 5.2Ω/km Outer: 1.4Ω/M′ 4.6Ω/km	.520	13.20	75	78%	17.3	56.8	1 3.6 10 71.5 135 270 360 540 720 750 1000	.1 .3 .5 1.2 1.8 2.6 3.1 3.9 4.7 4.8 5.7	.3 1.0 1.6 3.9 5.9 8.5 10.2 12.8 15.4 15.7 18.7
																			
										100% Sweep tested. 5 MHz to 850 MHz.									
Plenum • Foam FEP Insulation • Black Fluorocopolymer Jacket (Fluorocopolymer Insulation between Braids)																			
125°C	**1859A**	NEC: CMP CEC: CMP FT6	500 1000	152.4 304.8	66.5 134.0	30.2 60.9	15 AWG (19x27) .064″ BC 3.0Ω/M′ 9.8Ω/km	.285	7.24	(2) BC Braids 95% Coverage Inner: 1.4Ω/M′ 4.6Ω/km Outer: 1.4Ω/M′ 4.6Ω/km	.406	10.30	75	80%	16.5	54.1	1 3.6 10 71.5 135 270 360 540 720 750 1000	.1 .2 .5 1.3 1.9 3.0 3.6 4.5 5.4 5.6 6.6	.3 .7 1.6 4.3 6.2 9.8 11.8 14.8 17.7 18.4 21.6
																			
										100% Sweep tested. 5 MHz to 850 MHz.									
Suitable for Outdoor and Direct Burial applications.																			
15 AWG Stranded (19x27) .064″ Bare Copper • Two Bare Copper Braids (90% Shield Coverage)																			
Foam Polyethylene Insulation • Yellow PVC Jacket (Polyethylene Insulation between Braids)																			
UL AWM Style 1641 (30V 80°C) VW-1	**9192**	NEC: CL2X	1000	304.8	150.0	68.2	15 AWG (19x27) .064″ BC 3.0Ω/M′ 9.8Ω/km	.312	7.92	(2) BC Braids 90% Coverage Inner: 1.6Ω/M′ 5.2Ω/km Outer: 1.6Ω/M′ 5.2Ω/km	.520	13.20	75	78%	17.3	56.8	1 3.6 10 71.5 135 270 360 540 720 750 1000	.1 .3 .5 1.2 1.8 2.6 3.1 3.9 4.7 4.8 5.7	.3 1.0 1.6 3.9 5.9 8.5 10.2 12.8 15.4 15.7 18.7
																			
										100% Sweep tested. 5 MHz to 850 MHz.									
Foam Polyethylene Insulation • Paper Tape Separator • Black Hypalon® Jacket (Polyethylene Insulation between Braids)																			
UL AWM Style 1641 (30V 60°C) VW-1	**9232**		500 1000	152.4 304.8	42.5 145.0	19.3 65.9	15 AWG (19x27) .064″ BC 3.0Ω/M′ 9.8Ω/km	.312	7.92	(2) BC Braids 90% Coverage Inner: 1.6Ω/M′ 5.2Ω/km Outer: 1.7Ω/M′ 5.2Ω/km	.520	13.20	75	78%	17.3	56.8	1 3.6 10 71.5 135 270 360 540 720 750 1000	.1 .3 .5 1.2 1.8 2.6 3.1 3.9 4.7 4.8 5.7	.3 1.0 1.6 3.9 5.9 8.5 10.2 12.8 15.4 15.7 18.7
																			
										100% Sweep tested. 5 MHz to 850 MHz.									
Suitable for Outdoor and Direct Burial applications.																			

BC = Bare Copper • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

Hypalon is a DuPont trademark.

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Video Triax Cable

RG-11/U Type

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

14 AWG Solid .064″ Bare Copper • Two Bare Copper Braids (95% Shield Coverage)

Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket (Polyethylene Insulation between Braids)

80°C	**8233**	500	152.4	63.0	28.6	14 AWG (solid) .064″ BC 2.5Ω/M′ 8.2Ω/km	.285	7.24	(2) BC Braids 95% Coverage Inner: 1.6Ω/M′ 5.2Ω/km Outer: 1.4Ω/M′ 4.6Ω/km	.475	12.07	75	84%	16.1	52.8	1	.2	.7
		1000	304.8	122.0	55.5											3.6	.3	1.0
		2000	609.6	240.0	109.1											10	.4	1.3
																71.5	1.1	3.6
																135	1.5	4.9
																270	2.3	7.5
																360	2.7	8.9
																540	3.5	11.5
																720	4.2	13.8
																750	4.3	14.1
																1000	5.2	17.1
																1500	7.1	23.3
																2250	9.6	31.5
																3000	12.0	39.4

100% Sweep tested. 5 MHz to 3 GHz.

Suitable for Outdoor and Direct Burial applications.

Gas-injected Foam HDPE Insulation • Black PVC Jacket (PVC Insulation between Braids)

80°C	**8233A**	NEC: CMR	1000	304.8	142.0	64.5	14 AWG (solid) .064″ BC 2.5Ω/M′ 8.2Ω/km	.285	7.24	(2) BC Braids 95% Coverage Inner: 1.6Ω/M′ 5.2Ω/km Outer: 1.4Ω/M′ 4.6Ω/km	.475	12.07	75	84%	16.1	52.8	1	.2	.7
			2000	609.6	240.0	109.1											3.6	.3	1.0
		CEC: CMG FT4	4000	1219.2	574.0	260.9											10	.4	1.3
																	71.5	1.1	3.6
																	135	1.5	4.9
																	270	2.3	7.5
																	360	2.7	8.9
																	540	3.5	11.5
																	720	4.2	13.8
																	750	4.3	14.1
																	1000	5.2	17.1
																	1500	7.1	23.3
																	2250	9.6	31.5
																	3000	12.0	39.4

100% Sweep tested. 5 MHz to 3 GHz.

Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket (PE Insulation between Braids; Flooding Compound on Outer Braid)

Flooded 80°C	**7803A** new	500	152.4	64.0	29.1	14 AWG (solid) .064″ BC 2.5Ω/M′ 8.2Ω/km	.285	7.24	(2) BC Braids 95% Coverage Inner: 1.6Ω/M′ 5.2Ω/km Outer: 1.4Ω/M′ 4.6Ω/km	.475	12.07	75	84%	16.1	52.8	1	.2	.7
		1000	304.8	123.0	55.9											3.6	.3	1.0
		3000	914.4	381.0	173.2											10	.4	1.3
																71.5	1.1	3.6
																135	1.5	4.9
																270	2.3	7.5
																360	2.7	8.9
																540	3.5	11.5
																720	4.2	13.8
																750	4.3	14.1
																1000	5.2	17.1
																1500	7.1	23.3
																2250	9.6	31.5
																3000	12.0	39.4

100% Sweep tested. 5 MHz to 3 GHz.

Suitable for Outdoor and Direct Burial applications.

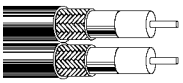
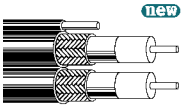
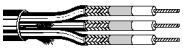
BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • PE = Polyethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

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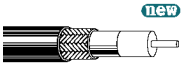
DS-3 and DS-4 Interconnect and Cross-connect Cable

735A* Series

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation Stand. Signal (Mb/s)	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
26 AWG Solid .016″ (.40mm) Silver-plated Copper • Beldfoil® + 93% Tinned Copper Braid																					
Foam HDPE Insulation • Overall Gray PVC Jacket (Multiple coaxes feature inner Gray PVC jackets w/printed nos. for circuit ID)																					
	**735A1** new	NEC: CMR CEC: CMG FT4	1	500 1000	152.4 304.8	7.0 12.0	3.2 5.5	26 AWG (solid) .016″ SPC 41.0Ω/M′ 134.2Ω/km	.077	1.95	Beldfoil + 93% TC Braid 5.3Ω/M′ 17.3Ω/km	.129	3.38	75	76%	17.7	58.0	2	1.0	.6	2.0
																		CEPT-1	1.0	.6	2.0
																		CEPT-2	4.2	1.1	3.6
																		10	5.0	1.2	3.9
																		20	10.0	1.7	5.6
																		CEPT-3	17.2	2.2	7.2
																		DS-3	22.4	2.5	8.2
																		STS-1	25.9	2.7	8.9
																		89.472	44.7	3.6	11.8
																		100	50.0	3.8	12.5
																		CEPT-4	69.6	4.5	14.8
																		STS-3	77.8	4.8	15.7
																		200	100.0	5.5	18.0
																		DS-4	137.1	6.4	21.0
																		400	200.0	7.8	25.6
	**735A1T** new	NEC: CMR CEC: CMG FT4	1 w/T	500 1000	152.4 304.8	7.5 15.0	3.4 6.8	same as above	.077	1.95	same as above	.129 x .203	3.38 x 5.16								
	735A2 new	NEC: CMR CEC: CMG FT4	2	500 1000	152.4 304.8	14.0 25.0	6.4 11.4	same as above	.077	1.95	same as above	.129 x .258	3.38 x 6.55								
Siamese versions feature zip cord design with printing on one leg.																					
	**735A2T** new	NEC: CMR CEC: CMG FT4	2 w/T	500 1000	152.4 304.8	15.0 27.0	6.8 12.3	same as above	.077	1.95	same as above	.129 x .332	3.38 x 8.43								
Siamese versions feature zip cord design with printing on one leg.																					
	**735A3** new	NEC: CMR CEC: CMG FT4	3	500 1000	152.4 304.8	26.5 50.0	12.0 22.7	same as above	.077 Coax OD: .129	1.95 3.38	same as above	.309	7.85								
	735A6 new	NEC: CMR CEC: CMG FT4	6	500 1000	152.4 304.8	45.5 92.0	20.7 41.8	same as above	.077 Coax OD: .129	1.95 3.38	same as above	.399	10.14								
	735A8	NEC: CMR CEC: CMG FT4	8	500 1000	152.4 304.8	63.0 121.0	28.6 55.0	same as above	.077 Coax OD: .129	1.95 3.38	same as above	.447	11.35								
	735A9	NEC: CMR CEC: CMG FT4	9	500 1000	152.4 304.8	69.5 133.0	31.6 60.5	same as above	.077 Coax OD: .129	1.95 3.38	same as above	.484	12.29								
	735A12 new	NEC: CMR CEC: CMG FT4	12	500 1000	152.4 304.8	94.5 187.0	43.0 85.0	same as above	.077 Coax OD: .129	1.95 3.38	same as above	.581	14.76								
	735A16 new	NEC: CMR CEC: CMG FT4	16	500 1000	152.4 304.8	123.5 250.0	56.1 113.6	same as above	.077 Coax OD: .129	1.95 3.38	same as above	.636	16.19								
	735A24 new	NEC: CMR CEC: CMG FT4	24	1000	304.8	405.0	184.1	same as above	.077 Coax OD: .129	1.95 3.38	same as above	.870	22.10								

100% Sweep tested.
RL: 30dB min. at 15 MHz to 95 MHz.

Non-plenum versions comply with Telcordia Specification GR-139-CORE.

Plenum • Foam FEP Insulation • Gray Flamarrest® Jacket																					
	**735A1P*** new	NEC: CMP CEC: CMP FT6	1	500 1000	152.4 304.8	8.0 15.0	3.6 6.8	same as above	.077	1.95	same as above	.129	3.38	75	76%	16.8	55.1	(same as above)			

100% Sweep tested.
RL: 30 dB min. at 15 MHz to 95 MHz.

DCR = DC Resistance • HDPE = High-density Polyethylene • SPC = Silver-plated Copper • TC = Tinned Copper

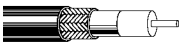
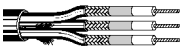
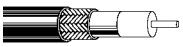
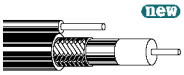
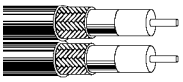
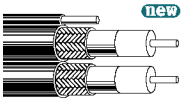
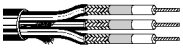
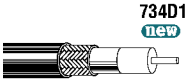
See chart on page 6.56 for maximum transmission distances.

*Lucent Technologies reference specification. Belden equivalent. Minimum Return Loss @ 55 MHz to 95 MHz = 35dB.

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DS-3 and DS-4 Interconnect and Cross-connect Cable

734A* and 734D* Series

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation Stand. Signal (Mb/s)	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
20 AWG Solid .032″ (.81mm) Copper • Beldfoil® + 85% Tinned Copper Braid																					
Foam HDPE Insulation • Overall Gray PVC Jacket (Multiple coaxes feature inner Gray PVC jackets w/printed nos. for circuit ID)																					
	**734A1** new	NEC: CMR CEC: CMG FT4	1	500 1000	152.4 304.8	16.5 33.0	7.5 15.0	20 AWG (solid) .032″ BC 10.0Ω/M′ 32.8Ω/km	.148	3.67	Beldfoil + 85% TC Braid 2.4Ω/M′ 7.9Ω/km	.235	5.97	75	80%	16.8	55.1	2	1.0	.3	.8
																		CEPT-1	1.0	.3	.9
																		CEPT-2	4.2	.5	1.6
																		10	5.0	.6	1.8
																		20	10.0	.8	2.6
	**734A6** new	NEC: CMR CEC: CMG FT4	6	500 1000	152.4 304.8	141.0 290.0	64.1 131.8	same as above	.148 Coax OD: .235	3.67 5.97	same as above	.772	19.61					CEPT-3	17.2	1.0	3.2
																		DS-3	22.4	1.1	3.7
																		STS-1	25.9	1.2	4.0
																		89.472	44.7	1.6	5.2
																		100	50.0	1.7	5.6
																		CEPT-4	69.6	2.0	6.5
																		STS-3	77.8	2.1	6.9
																		200	100.0	2.5	8.2
																		DS-4	137.1	2.9	9.5
																		400	200.0	3.6	11.8
	734A12 new	NEC: CMR CEC: CMG FT4	12	500 1000	152.4 304.8	283.0 551.0	128.4 250.5	same as above	.148 Coax OD: .235	3.67 5.97	same as above	1.026	26.06								
Plenum • Foam FEP Insulation • Gray Flamarrest® Jacket																					
	**734A1P*** new	NEC: CMP CEC: CMP FT6	1	500 1000	152.4 304.8	18.0 34.0	8.2 15.5	same as above	.148	3.67	same as above	.215	5.46	75	80%	17.3	56.7	(same as above)			
20 AWG Solid .032″ (.81mm) Silver-plated Copper Conductor • Beldfoil + 85% Tinned Copper Braid																					
Foam HDPE Insulation • Overall Gray PVC Jacket (Multiple coaxes feature inner Gray PVC jackets w/printed nos. for circuit ID)																					
	**734D1** new	NEC: CMR CEC: CMG FT4	1	500 1000	152.4 304.8	17.0 34.0	7.7 15.5	20 AWG (solid) .032″ SPC 10.0Ω/M′ 32.8Ω/km	.148	3.67	Beldfoil + 85% TC Braid 2.4Ω/M′ 7.9Ω/km	.235	5.97	75	80%	16.8	55.1	2	1.0	.3	.8
																		CEPT-1	1.0	.3	.9
																		CEPT-2	4.2	.5	1.6
																		10	5.0	.6	1.8
																		20	10.0	.8	2.6
	**734D1T** new	NEC: CMR CEC: CMG FT4	1 w/T	500 1000	152.4 304.8	19.0 37.0	8.6 16.8	same as above	.148	3.67	same as above	.235 x .309	5.97 x 7.85					CEPT-3	17.2	1.0	3.2
																		DS-3	22.4	1.1	3.7
																		STS-1	25.9	1.2	4.0
																		89.472	44.7	1.6	5.2
																		100	50.0	1.7	5.6
																		CEPT-4	69.6	2.0	6.5
																		STS-3	77.8	2.1	6.9
																		200	100.0	2.5	8.2
																		DS-4	137.1	2.9	9.5
																		400	200.0	3.6	11.8
	**734D2** new	NEC: CMR CEC: CMG FT4	2	500 1000	152.4 304.8	35.5 65.0	16.1 29.5	same as above	.148	3.67	same as above	.235 x .470	5.97 x 11.95								
Siamese versions feature zip cord design with printing on one leg.																					
	**734D2T** new	NEC: CMR CEC: CMG FT4	2 w/T	500 1000	152.4 304.8	39.0 72.0	17.7 32.7	same as above	.148	3.67	same as above	.235 x .550	5.97 x 13.97								
Siamese versions feature zip cord design with printing on one leg.																					
	**734D6** new	NEC: CMR CEC: CMG FT4	6	500 1000	152.4 304.8	141.0 290.0	64.1 131.8	same as above	.148 Coax OD: .235	3.67 5.97	same as above	.772	19.61								
	734D12 new	NEC: CMR CEC: CMG FT4	12	500 1000	152.4 304.8	284.5 555.0	129.3 252.3	same as above	.148 Coax OD: .235	3.67 5.97	same as above	1.026	26.06								
Plenum • Foam FEP Insulation • Gray Flamarrest Jacket																					
	**734D1P*** new	NEC: CMP CEC: CMP FT6	1	500 1000	152.4 304.8	18.0 34.0	8.2 15.5	same as above	.148	3.67	same as above	.215	5.46	75	80%	17.3	56.7	(same as above)			

100% Sweep tested. RL: 30dB min. at 15 MHz to 95 MHz.

Non-plenum versions comply with Telcordia Specification GR-139-CORE.

100% Sweep tested. RL: 30dB min. at 15 MHz to 95 MHz.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • SPC = Silver-plated Copper • TC = Tinned Copper

See chart on page 6.56 for maximum transmission distances.

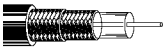
*Lucent Technologies reference specification. Belden equivalent.

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DS-3 and DS-4 Interconnect and Cross-connect Cable

728A* and 720A* Series

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation Stand. Signal (Mb/s)	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
20 AWG Solid .031″ Bare Copper • Two Tinned Copper Braids (98% Shield Coverage)																					
Polyethylene Insulation • Gray Non-contaminating PVC Jacket																					
Double Braid VW-1	**9231** (728A*)	NEC: CMH CEC: CMH FT1	1	500 1000	152.4 304.8	38.0 76.0	17.3 34.5	20 AWG (solid) .031″ BC 9.9Ω/M′ 32.5Ω/km	.198	5.03	TC Double Braid 98% Shield Coverage 1.1Ω/M′ 3.6Ω/km	.305	7.75	75	66%	20.5	68.9	2 CEPT-1 CEPT-2 10 20 CEPT-3 DS-3 STS-1 89.472 100 CEPT-4 STS-3 200 DS-4 400	1.0 1.0 4.2 5.0 10.0 17.2 22.4 25.9 44.7 50.0 69.6 77.8 100.0 137.1 200.0	.3 .3 .5 .6 .8 1.0 1.1 1.2 1.4 1.5 2.0 2.2 2.7 3.1 3.7	.8 .8 1.7 1.8 2.6 3.2 3.6 3.8 4.7 4.9 6.5 7.2 8.9 10.2 12.1



100% Sweep tested.
RL: 30dB min. at 15 MHz to 95 MHz.
Non-plenum versions comply with Telcordia Specification GR-139-CORE.

720A* Series Belden 720A Coaxial Cable Series is available by special request.
Contact the Belden Customer Service Department for quotes. 1-800-BELDEN-1.

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

See table below for maximum transmission distances.

*Lucent Technologies reference specification. Belden equivalent.

Maximum Transmission Distances for DS-3 and DS-4 Cable

Data Rates:	DS-3 (44.736 Mb/s)		STS-1 (51.86 Mb/s)		DS-4Na (CEPT-4) (139.264 Mb/s)		STS-3 (155.520 Mb/s)		DS-4 (274.176 Mb/s)	
Belden Part No.	**Interconnect**	**X-Connect**	**Interconnect**	**X-Connect**	**Interconnect**	**X-Connect**	**Interconnect**	**X-Connect**	**Interconnect**	**X-Connect**
735A Series and 7351AP	225 ft. (68.6m)	21 ft. (6.4m)	210 ft. (64.0m)	20 ft. (6.1m)	125 ft. (38.1m)	13 ft. (4.0m)	120 ft. (36.6m)	11 ft. (3.4m)	90 ft. (27.4m)	8 ft. (2.4m)
734A and 734D Series	450 ft. (137.2m)	43 ft. (13.1m)	420 ft. (128.0m)	40 ft. (12.2m)	250 ft. (76.2m)	24 ft. (7.3m)	240 ft. (73.2m)	22 ft. (6.7m)	180 ft. (54.9m)	17 ft. (5.2m)
734A1P and 734D1P	435 ft. (132m)	43 ft. (13m)	410 ft. (125m)	40 ft. (12m)	240 ft. (73m)	24 ft. (7m)	225 ft. (68m)	22 ft. (8m)	170 ft. (52m)	17 ft. (5m)
728A	425 ft. (129.5m)	—	380 ft. (115.8m)	—	220 ft. (67.1m)	—	210 ft. (64.0m)	—	155 ft. (47.2m)	—
720A Series	225 ft. (68.6m)	25 ft. (7.6m)	230 ft. (70.1m)	23 ft. (7.0m)	140 ft. (42.7m)	14 ft. (4.3m)	130 ft. (39.6m)	13 ft. (4.0m)	100 ft. (30.5m)	9 ft. (2.7m)

DS = Digital Signal • STS = Synchronous Transmission Signal • CEPT = European Conference of Postal and Telecommunications Administrations

Please note: The signal loss budget for individual installations will affect the exact transmission distance.

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Low Loss 50 Ohm Wireless RF Transmission Cable

RG-174 Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
RG-174 Type • 25 AWG Solid .018″ Bare Copper • Duofoil® + 90% Tinned Copper Braid Shield																			
Solid Polyethylene Insulation • Black PVC Jacket																			
RF100A	**7805**		100	30.5	2.4	1.1	25 AWG	.061	1.55	Duofoil	.110	2.79	50	66%	31.2	102.4	30	3.8	12.4
80°C	new		500	152.4	6.0	2.7	(solid)			+ 90% TC							50	4.9	16.1
			1000	304.8	10.0	4.5	.018″			Braid							150	8.6	28.2
							BC			9.1Ω/M′							220	10.4	34.2
							32.0Ω/M′			29.9Ω/km							450	15.2	49.9
							105.0Ω/km										900	22.0	72.3
																	1500	28.7	94.3
										100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.							1800	31.7	104.0
																	2000	33.4	109.7
																	2500	37.8	124.2
																	3000	42.0	137.8
																	4500	52.3	171.5
																	5800	60.9	199.8
Mates with standard RG-174 connectors.																	6000	62.0	203.3
RG-174 Type • 24.5 AWG Solid .020″ Bare Copper • Duofoil + 90% Tinned Copper Braid Shield																			
Foam HDPE Insulation • Gray PVC Jacket																			
RF100LL	**7805R**	NEC:	100	30.5	2.4	1.1	24.5 AWG	.060	1.52	Duofoil	.110	2.79	50	73.5%	26.2	86.0	30	3.5	11.5
80°C	new	CMR	500	152.4	6.0	2.7	(solid)			+ 90% TC							50	4.6	15.0
		CEC:	1000	304.8	10.0	4.5	.020″			Braid							150	8.0	26.1
		CMG FT4					BC			9.4Ω/M′							220	9.6	31.6
							27.3Ω/M′			30.8Ω/km							450	14.0	46.1
							94.2Ω/km										900	20.2	66.4
																	1500	26.6	87.3
										100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.							1800	29.5	96.7
																	2000	31.2	102.3
																	2500	35.4	116.3
																	3000	39.4	129.2
																	4500	50.0	164.2
																	5800	59.0	193.6
Mates with standard RG-174 connectors.																	6000	60.6	198.7

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

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Low Loss 50 Ohm Wireless RF Transmission Cable

RG-58 Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
RG-58 Type • 19 AWG Solid .037″ Bare Copper • Duofoil® + 90% Tinned Copper Braid Shield																			
Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket																			
RF195 80°C	**7806A** new		500 1000	152.4 304.8	14.5 26.0	6.6 11.8	19 AWG (solid) .037″ BC 7.6Ω/M′ 24.9Ω/km	.110	2.79	Duofoil + 90% TC Braid 4.2Ω/M′ 13.8Ω/km	.195	4.95	50	77%	24.3	79.7	30 50 150 220 450 900 1500 1800 2000 2500 3000 4500 5800 6000	2.0 2.5 4.0 4.9 7.1 10.3 13.7 15.2 16.1 18.3 20.5 26.5 31.2 32.0	6.6 8.2 13.3 16.1 23.4 33.8 44.8 49.7 52.8 60.1 67.3 86.8 102.4 105.0
										100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.									
Mates with standard RG-58 connectors.* Suitable for Outdoor and Direct Burial applications.																			
Gas-injected Foam HDPE Insulation • Black PVC Jacket																			
RF195 80°C	**7806R** new	NEC: CMR CEC: CMG FT4	500 1000	152.4 304.8	16.0 29.0	7.3 13.2	19 AWG (solid) .037″ BC 7.6Ω/M′ 24.9Ω/km	.110	2.79	Duofoil + 90% TC Braid 4.2Ω/M′ 13.8Ω/km	.195	4.95	50	77%	24.3	79.7	30 50 150 220 450 900 1500 1800 2000 2500 3000 4500 5800 6000	2.0 2.5 4.0 4.9 7.1 10.3 13.7 15.2 16.1 18.3 20.5 26.5 31.2 32.0	6.6 8.2 13.3 16.1 23.4 33.8 44.8 49.7 52.8 60.1 67.3 86.8 102.4 105.0
										100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.									
Mates with standard RG-58 connectors.*																			
RG-58 Type • 17 AWG Solid .044″ Bare Copper • Duofoil + 95% Tinned Copper Braid Shield																			
Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket																			
RF200 80°C	**7807A** new		500 1000	152.4 304.8	15.0 27.0	6.8 12.3	17 AWG (solid) .044″ BC 3.3Ω/M′ 10.9Ω/km	.116	2.95	Duofoil + 95% TC Braid 4.2Ω/M′ 13.8Ω/km	.195	4.95	50	85%	23.5	77.1	30 50 150 220 450 900 1500 1800 2000 2500 3000 4500 5800 6000	1.6 2.1 3.7 4.5 6.5 9.2 12.0 13.2 14.0 15.7 17.5 22.0 25.2 26.0	5.4 7.0 12.1 14.6 21.2 30.1 39.2 43.2 45.8 51.6 57.3 72.3 82.7 85.1
										100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.									
Mates with standard Land Mobile Radio type connectors. Suitable for Outdoor and Direct Burial applications.																			
Gas-injected Foam HDPE Insulation • Black PVC Jacket																			
RF200 80°C	**7807R** new	NEC: CMR CEC: CMG FT4	500 1000	152.4 304.8	15.5 29.0	7.0 13.2	17 AWG (solid) .044″ BC 3.3Ω/M′ 10.9Ω/km	.116	2.95	Duofoil + 95% TC Braid 4.2Ω/M′ 13.8Ω/km	.195	4.95	50	85%	23.5	77.1	30 50 150 220 450 900 1500 1800 2000 2500 3000 4500 5800 6000	1.6 2.1 3.7 4.5 6.5 9.2 12.0 13.2 14.0 15.7 17.5 22.0 25.2 26.0	5.4 7.0 12.1 14.6 21.2 30.1 39.2 43.2 45.8 51.6 57.3 72.3 82.7 85.1
										100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.									
Mates with standard Land Mobile Radio type connectors.																			

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

*Please consult Belden's website, www.belden.com, for complete listing.

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RG-8X Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
RG-8X Type • 15 AWG Solid .057″ Bare Copper • Duobond® II + 95% Tinned Copper Braid Shield																			
Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket																			
RF240 80°C	**7808A** new		500	152.4	20.0	9.1	15 AWG (solid) .057″ BC 3.2Ω/M′ 10.5Ω/km	.150	3.81	Duobond II + 95% TC Braid 3.5Ω/M′ 11.5Ω/km	.240	6.10	50	86%	23.0	75.5	30	1.3	4.1
			1000	304.8	39.0	17.7											50	1.6	5.3
																	150	2.8	9.3
																	220	3.4	11.1
																	450	4.9	16.1
																	900	7.0	22.9
																	1500	9.1	30.0
										100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.							1800	10.1	33.2
																	2000	10.7	35.0
																	2500	12.0	39.5
																	3000	13.4	43.9
																	4500	16.7	54.7
Mates with standard RG-8X connectors.*																	5800	19.5	64.0
Suitable for Outdoor and Direct Burial applications.																	6000	19.8	65.0
Gas-injected Foam HDPE Insulation • Black PVC Jacket																			
RF240 80°C	**7808R** new	NEC: CMR CEC: CMG FT4	500	152.4	22.0	10.0	15 AWG (solid) .057″ BC 3.2Ω/M′ 10.5Ω/km	.150	3.81	Duobond II + 95% TC Braid 3.5Ω/M′ 11.5Ω/km	.240	6.10	50	86%	23.0	75.5	30	1.3	4.1
			1000	304.8	44.0	20.0											50	1.6	5.3
																	150	2.8	9.3
																	220	3.4	11.1
																	450	4.9	16.1
																	900	7.0	22.9
																	1500	9.1	30.0
										100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.							1800	10.1	33.2
																	2000	10.7	35.0
																	2500	12.0	39.5
																	3000	13.4	43.9
																	4500	16.7	54.7
Mates with standard RG-8X connectors.*																	5800	19.5	64.0
																	6000	19.8	65.0
Gas-injected Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket																			
RF240 80°C	**7808WB** new		500	152.4	20.0	9.1	15 AWG (solid) .057″ BC 7.6Ω/M′ 24.9Ω/km	.150	3.81	Duobond II 95% TC Braid 4.2Ω/M′ 13.8Ω/km	.240	6.10	50	86%	23.0	75.5	30	1.3	4.1
			1000	304.8	39.0	17.7											50	1.6	5.3
																	150	2.8	9.3
																	220	3.4	11.1
																	450	4.9	16.1
																	900	7.0	22.9
																	1500	9.1	30.0
										100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.							1800	10.1	33.2
																	2000	10.7	35.0
																	2500	12.0	39.5
																	3000	13.4	43.9
																	4500	16.7	54.7
Mates with standard RG-8X connectors.*																	5800	19.5	64.0
Suitable for Outdoor and Direct Burial applications.																	6000	19.8	65.0

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

*Please consult Belden's website, www.belden.com, for complete listing.

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Intermediate Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
Intermediate Type • 13 AWG Solid .072″ Bare Copper • Duobond® II + 95% Tinned Copper Braid Shield																			
Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket																			
RF300 80°C	**7809A** new		500	152.4	30.5	13.9	13 AWG (solid) .072″ BC 2.0Ω/M′ 6.6Ω/km	.190	4.83	Duobond II + 95% TC Braid 2.7Ω/M′ 8.8Ω/km	.300	7.62	50	86%	23.0	75.5	30	1.0	3.4
			1000	304.8	59.0	26.8											50	1.3	4.2
																	150	2.2	7.3
																	220	2.7	8.9
																	450	3.9	12.9
																	900	5.6	18.3
																	1500	7.3	24.0
										100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.							1800	8.1	26.5
																	2000	8.6	28.2
																	2500	9.7	31.9
																	3000	10.8	35.4
																	4500	13.5	44.4
Mates with Land Mobile Radio type connectors. Suitable for Outdoor and Direct Burial applications.																	5800	15.8	51.8
																	6000	16.0	52.6
Gas-injected Foam HDPE Insulation • Black PVC Jacket																			
RF300 80°C	**7809R** new	NEC: CMR CEC: CMG FT4	500	152.4	34.0	15.5	13 AWG (solid) .072″ BC 2.0Ω/M′ 6.6Ω/km	.190	4.83	Duobond II + 95% TC Braid 2.7Ω/M′ 8.8Ω/km	.300	7.62	50	86%	23.0	75.5	30	1.0	3.4
			1000	304.8	65.0	29.5											50	1.3	4.2
																	150	2.2	7.3
																	220	2.7	8.9
																	450	3.9	12.9
																	900	5.6	18.3
																	1500	7.3	24.0
										100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.							1800	8.1	26.5
																	2000	8.6	28.2
																	2500	9.7	31.9
																	3000	10.8	35.4
																	4500	13.5	44.4
																	5800	15.8	51.8
Mates with Land Mobile Radio type connectors.*																	6000	16.0	52.6
Gas-injected Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket																			
RF300 80°C	**7809WB** new		500	152.4	30.5	13.9	13 AWG (solid) .072″ BC 2.0Ω/M′ 6.6Ω/km	.190	4.83	Duobond II + 95% TC Braid 2.7Ω/M′ 8.8Ω/km	.300	7.62	50	86%	23.0	75.5	30	1.0	3.4
			1000	304.8	59.0	26.8											50	1.3	4.2
																	150	2.2	7.3
																	220	2.7	8.9
																	450	3.9	12.9
																	900	5.6	18.3
																	1500	7.3	24.0
										100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.							1800	8.1	26.5
																	2000	8.6	28.2
																	2500	9.7	31.9
																	3000	10.8	35.4
																	4500	13.5	44.4
Mates with Land Mobile Radio type connectors.* Suitable for Outdoor and Direct Burial applications.																	5800	15.8	51.8
																	6000	16.0	52.6

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

*Please consult Belden's website, www.belden.com, for complete listing.

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RG-8 Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

RG-8 Type • 10 AWG Solid .108″ Bare Copper-covered Aluminum • Duobond® II + 95% Tinned Copper Braid Shield

Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket

RF400 80°C — **7810A** new



Ft.	m	Lbs.	kg
500	152.4	42.5	19.3
1000	304.8	86.0	39.1

10 AWG (solid) .108″ CCA 1.3Ω/M′ 4.4Ω/km — .285 — 7.24 — Duobond II + 95% TC Braid 1.8Ω/M′ 5.8Ω/km — .405 — 10.29 — 50 — 86% — 23.0 — 75.5

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

MHz	dB/ 100 Ft.	dB/ 100m
30	.7	2.1
50	.9	2.8
150	1.5	4.9
220	1.8	6.0
450	2.7	8.8
900	3.8	12.6
1500	5.1	16.6
1800	5.6	18.5
2000	6.0	19.6
2500	6.7	22.0
3000	7.5	24.4
4500	9.5	31.1
5800	11.1	36.4
6000	11.4	37.3

Mates with 9913 and Land Mobile Radio type connectors.*
Suitable for Outdoor and Direct Burial applications.

Gas-injected Foam HDPE Insulation • Black PVC Jacket

RF400 80°C — **7810R*** new — NEC: CMR; CEC: CMG FT4



Ft.	m	Lbs.	kg
500	152.4	48.5	22.0
1000	304.8	98.0	44.5

10 AWG (solid) .108″ CCA 1.3Ω/M′ 4.4Ω/km — .285 — 7.24 — Duobond II + 95% TC Braid 1.8Ω/M′ 5.8Ω/km — .405 — 10.29 — 50 — 86% — 23.0 — 75.5

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

MHz	dB/ 100 Ft.	dB/ 100m
30	.7	2.1
50	.9	2.8
150	1.5	4.9
220	1.8	6.0
450	2.7	8.8
900	3.8	12.6
1500	5.1	16.6
1800	5.6	18.5
2000	6.0	19.6
2500	6.7	22.0
3000	7.5	24.4
4500	9.5	31.1
5800	11.1	36.4
6000	11.4	37.3

Mates with 9913 and Land Mobile Radio type connectors.*

Gas-injected Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket

RF400 80°C — **7810WB** new



Ft.	m	Lbs.	kg
500	152.4	42.5	19.3
1000	304.8	86.0	39.1

10 AWG (solid) .108″ CCA 1.3Ω/M′ 4.4Ω/km — .285 — 7.24 — Duobond II + 95% TC Braid 1.8Ω/M′ 5.8Ω/km — .405 — 10.29 — 50 — 86% — 23.0 — 75.5

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.

MHz	dB/ 100 Ft.	dB/ 100m
30	.7	2.1
50	.9	2.8
150	1.5	4.9
220	1.8	6.0
450	2.7	8.8
900	3.8	12.6
1500	5.1	16.6
1800	5.6	18.5
2000	6.0	19.6
2500	6.7	22.0
3000	7.5	24.4
4500	9.5	31.1
5800	11.1	36.4
6000	11.4	37.3

Mates with 9913 and Land Mobile Radio type connectors.*
Suitable for Outdoor and Direct Burial applications.

CCA = Copper-covered Aluminum • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

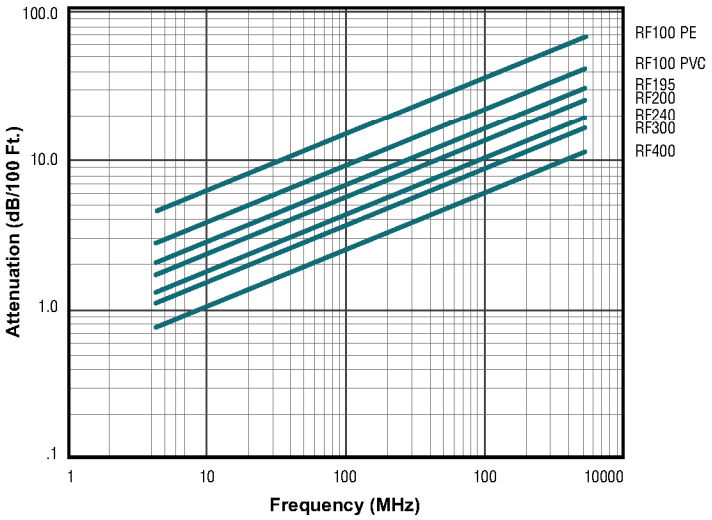
*Please consult Belden's website, www.belden.com, for complete listing.

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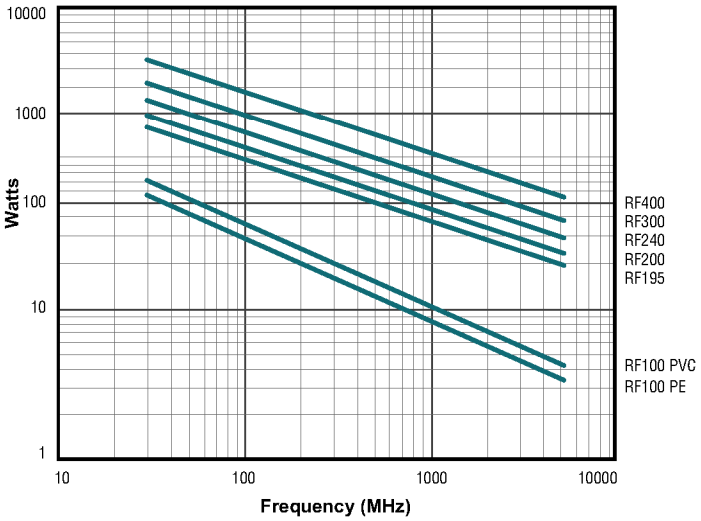
Low Loss 50 Ohm Wireless RF Transmission Coax

Electrical Characteristics

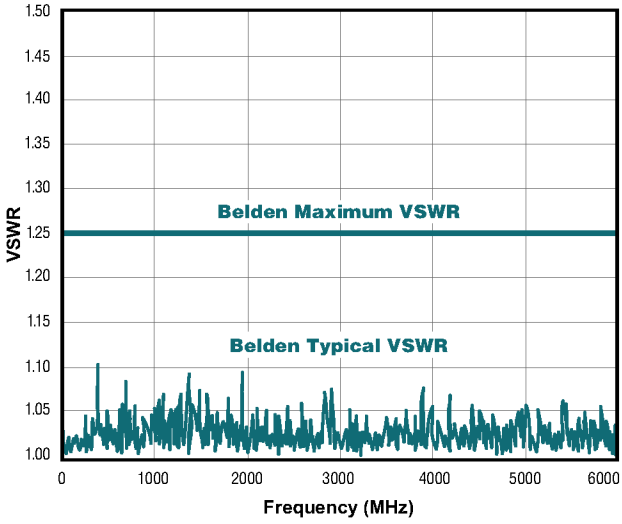
Attenuation



Power Rating



Guaranteed VSWR



Voltage Standing Wave Ratio is a measurement of the reflected power in a cable or instrument. The higher the VSWR the poorer the transmission characteristics of the cable.

Phase Stability

Phase Attribute	Typical Range (0.45 GHz to 6.0 GHz)	
	ppm/°C	Degree/GHz/m
Temperature (-40°C to +85°C)[1]	±9	±0.6
Bending & Flexing (25 cycles)[2]	NA	±1.1

1: Per IEC 60966-1 clause 8.8
2: Per IEC 60966-1 clause 8.6

RG Cable Replacement Guide

Part Number	Size	Replacing
7805	RF100A	RG-174/U
7805R	RF100LL	RG-174/U
7806A	RF195	RG-58/U
7807A	RF200	RG-58/U
7808A	RF240	RG-8X
7809A	RF300	RG-8X
7810A	RF400	RG-8U

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50 Ohm Transmission and Computer Cable

RG-188A/U, RG-174/U and RG-58/U Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
RG-174/U Type • 26 AWG Stranded (7x34) .019″ Bare Copper-covered Steel • 90% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	**8216**		100 500 1000 ††	30.5 152.4 304.8	1.0 5.5 9.0	.5 2.5 4.1	26 AWG (7x34) .019″ BCCS 97.0Ω/M′ 318.2Ω/km	.060	1.52	TC Braid 90% Shield Coverage 10.7Ω/M′ 35.1Ω/km	.110	2.79	50	66%	30.8	101.0	1 10 50 100 200 400 700 900 1000	1.9 3.3 5.8 8.4 12.5 19.0 27.0 31.0 34.0	6.2 10.8 19.0 27.6 41.0 62.3 88.6 101.7 111.5
RG-188A/U Type • 26 AWG Stranded (7x34) .007″ Silver-coated Copper-covered Steel • 96% Silver-coated Copper Braid Shield																			
TFE Teflon® Insulation • White TFE Tape Jacket																			
200°C VW-1 MIL-C-17D	**83269**		100 † 500 † 1000 †	30.5 152.4 304.8	2.8 7.0 12.0	1.3 3.2 5.5	26 AWG (7x34) .007″ SCCCS 91.2Ω/M′ 299.2Ω/km	.058	1.47	SCC Braid 96% Shield Coverage 8.5Ω/M′ 27.9Ω/km	.098 ±.004	2.49 ±.10	50	69.5%	29.0	95.1	1 10 50 100 200 400 700 900 1000	1.2 2.7 5.6 8.3 12.0 17.5 23.7 27.3 29.0	3.9 8.9 18.4 27.2 39.4 57.4 77.8 89.6 95.1
RG-58/U Type • 20 AWG Solid .033″ Bare Copper • 78% Bare Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
75°C	**9201**		U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	13.0 15.5 26.0 25.0	5.9 7.0 11.8 11.4	20 AWG (solid) .033″ BC 10.0Ω/M′ 33.1Ω/km	.116	2.95	BC Braid 78% Shield Coverage 5.5Ω/M′ 18.0Ω/km	.193	4.90	51.5	66%	28.5	93.5	1 10 50 100 200 400 700 900 1000	.3 1.1 2.5 3.8 5.6 8.4 11.7 13.7 14.5	1.1 3.6 8.2 12.5 18.4 27.6 38.4 44.9 47.6
RG-58/U Type • 20 AWG Solid .033″ Bare Copper • Duobond® II + 55% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	**9310***		500 U-1000 1000	152.4 U-304.8 304.8	14.0 23.0 23.0	6.4 10.5 10.5	20 AWG (solid) .033″ BC 10.0Ω/M′ 33.1Ω/km	.114	2.90	Duobond II + 55% TC Braid 14.0Ω/M′ 45.9Ω/km	.193	4.90	50	66%	30.8	101.0	1 10 50 100 200 400 700 900 1000	.5 1.4 2.8 3.8 5.4 7.9 11.1 12.8 13.9	1.5 4.6 9.2 12.5 17.7 25.9 36.4 42.0 45.6

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • SCC = Silver-coated Copper • SCCCS = Silver-coated Copper-covered Steel • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

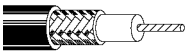
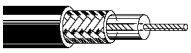
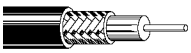
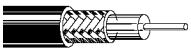
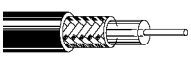
*See Belden's website, www.belden.com, for connector information.
† Spools may contain more than one piece. Length may vary ±10% from length shown.
†† Multi-piece spool (max. 3 pieces, min. length 100′). Length may vary ±10% from length shown.

Teflon is a DuPont trademark.

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50 Ohm Transmission and Computer Cable

RG-58A/U Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
RG-58A/U Type • 20 AWG Stranded (19x32) .037″ Tinned Copper • 96% Tinned Copper Braid Shield																			
Foam Polyethylene Insulation • Black or White PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	**8219**	NEC: CM CEC: CM	U-500▲ 500 U-1000▲ 1000	U-152.4 152.4 U-304.8 304.8	14.0 16.0 27.0 27.0	6.4 7.3 12.3 12.3	20 AWG (19x32) .037″ TC 8.8Ω/M′ 28.9Ω/km	.114	2.90	TC Braid 96% Shield Coverage 4.1Ω/M′ 13.4Ω/km	.194	4.93	53.5	73%	26.5	86.9	1 10 50 100 200 400 700 900 1000	.4 1.3 3.1 4.5 6.6 10.0 14.2 16.6 18.1	1.2 4.3 10.2 14.8 21.7 32.8 46.6 54.5 59.4
																			
P-MSHA • SC-182/5* ▲U-500 ft. and U-1000 ft. put-ups available in White only.																			
RG-58A/U Type • 20 AWG Stranded (19x32) .037″ Tinned Copper • Duobond® II + 55% Tinned Copper Braid Shield																			
Foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	**9311****	NEC: CM CEC: CM	500 U-1000 1000	152.4 U-304.8 304.8	14.5 23.0 23.0	6.6 10.5 10.5	20 AWG (19x32) .037″ TC 8.8Ω/M′ 28.9Ω/km	.114	2.90	Duobond II + 55% TC Braid 17.0Ω/M′ 55.8Ω/km	.193	4.90	52	75%	26.0	85.3	1 10 50 100 200 400 700 900 1000	.5 1.5 2.9 4.0 5.7 8.5 12.2 14.5 15.8	1.6 4.9 9.5 13.1 18.7 27.9 40.0 47.6 51.8
																			
RG-58A/U Type • 20 AWG Stranded (19x33) .035″ Tinned Copper • 95% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
75°C	**8259**		100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.5 13.5 16.0 27.0 27.0	1.6 6.1 7.3 12.3 12.3	20 AWG (19x33) .035″ TC 10.8Ω/M′ 35.4Ω/km	.116	2.95	TC Braid 95% Shield Coverage 4.1Ω/M′ 13.4Ω/km	.192	4.88	50	66%	30.8	101.0	1 10 50 100 200 400 700 900 1000	.4 1.5 3.7 5.4 8.1 12.4 17.7 21.1 22.8	1.4 4.9 12.1 17.7 26.6 40.7 58.1 69.2 74.8
																			
RG-58A/U Type • 20 AWG Solid .032″ Bare Copper • 95% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	**8240**	NEC: CMX CEC: CMX	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.7 14.5 16.0 28.0 28.0	1.7 6.6 7.3 12.7 12.7	20 AWG (solid) .033″ BC 10.0Ω/M′ 32.8Ω/km	.116	2.95	TC Braid 95% Shield Coverage 4.1Ω/M′ 13.4Ω/km	.193	4.90	51.5	66%	28.5	93.5	1 10 50 100 200 400 700 900 1000	.3 1.1 2.5 3.8 5.6 8.4 11.7 13.7 14.5	1.1 3.6 8.2 12.5 18.4 27.6 38.4 44.9 47.6
											For Plenum versions of 8240, see 88240 or 82240.								
Plenum • FEP Insulation • Black FEP Jacket																			
200°C	**88240**	NEC: CMP CEC: CMP FT6	500† 1000†	152.4 304.8	14.0 26.0	6.4 11.8	20 AWG (solid) .032″ BC 10.2Ω/M′ 33.5Ω/km	.107	2.72	TC Braid 95% Shield Coverage 6.7Ω/M′ 22.0Ω/km	.159	4.04	53.5	69.5%	26.4	86.6	1 10 50 100 200 400 700 900 1000	.5 1.2 3.0 4.3 6.4 9.7 13.7 16.1 17.3	1.6 3.9 9.8 14.2 21.0 31.7 45.0 52.8 56.6
																			
Plenum • FEP Insulation • Natural Flamarrest® Jacket																			
75°C	**82240**	NEC: CMP CEC: CMP FT6	U-500† U-1000† 1000†	U-152.4 U-304.8 304.8	12.5 25.0 25.0	5.7 11.4 11.4	20 AWG (solid) .032″ BC 10.2Ω/M′ 33.5Ω/km	.107	2.72	TC Braid 95% Shield Coverage 6.7Ω/M′ 22.0Ω/km	.159	4.04	53.5	69.5%	26.4	86.6	1 10 50 100 200 400 700 900 1000	.5 1.2 3.0 4.3 6.4 9.7 13.7 16.1 17.3	1.6 3.9 9.8 14.2 21.0 31.7 45.0 52.8 56.6
																			

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotation of RG/U cables not listed.

*Pennsylvania Department of Environmental Resource and United States Mine Safety and Health Administration certification. **See Belden's website, www.belden.com, for connector information.
†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

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50 Ohm Transmission and Computer Cable

RG-8X and RG-8/U Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
RG-8X Type • 16 AWG Stranded (19x29) .058″ Bare Copper • 95% Bare Copper Braid Shield																			
Foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	**9258**	NEC: CM CEC: CM	U-500 500 U-1000 1000▲	U-152.4 152.4 U-304.8 304.8	20.0 20.0 40.0 40.0	9.1 9.1 18.2 18.2	16 AWG (19x29) .058″ BC 4.3Ω/M′ 14.1Ω/km	.155	3.94	BC Braid 95% Shield Coverage 3.3Ω/M′ 10.8Ω/km	.242	6.15	50	82%	24.8	81.4	1 10 50 100 200 400 700 900 1000	.3 .9 2.1 3.1 4.5 6.6 9.1 10.7 11.2	.8 2.9 6.9 10.2 14.8 21.7 29.9 35.1 36.7
▲1000 ft. put-up also available in White.																			
RG-8/U Type • 13 AWG Stranded (7x21) .085″ Bare Copper • 97% Bare Copper Braid Shield																			
Polyethylene Insulation • Black PVC Jacket																			
75°C	**8237**	NEC: CMH CEC: CMH FT1	100 500 1000	30.5 152.4 304.8	13.3 56.5 112.0	6.0 25.7 50.9	13 AWG (7x21) .085″ BC 1.9Ω/M′ 6.2Ω/km	.285	7.24	BC Braid 97% Shield Coverage 1.2Ω/M′ 3.9Ω/km	.405	10.29	52	66%	28.5	93.5	1 10 50 100 200 400 700 900 1000 4000	.2 .6 1.3 1.9 2.8 4.2 5.9 6.9 7.4 23.2	.5 1.8 4.3 6.2 9.2 13.8 19.4 22.6 24.3 76.1
JAN-C-17A																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	**9251**	NEC: CMX CEC: CMX	500 1000	152.4 304.8	58.0 115.0	26.4 52.3	13 AWG (7x21) .085″ BC 1.9Ω/M′ 6.2Ω/km	.285	7.24	BC Braid 97% Shield Coverage 1.2Ω/M′ 3.9Ω/km	.405	10.29	52	66%	28.5	93.5	1 10 50 100 200 400 700 900 1000 4000	.2 .6 1.3 1.9 2.8 4.2 5.9 6.9 7.4 23.2	.5 1.8 4.3 6.2 9.2 13.8 19.4 22.6 24.3 76.1
MIL-C-17D																			
RG-8/U Type • 11 AWG Stranded (7x19) .108″ Bare Copper • 97% Bare Copper Braid Shield																			
Foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	**8214**	NEC: CM CEC: CM	100 500 1000	30.5 152.4 304.8	14.2 61.0 121.0	6.5 27.7 55.0	11 AWG (7x19) .108″ BC 1.2Ω/M′ 3.9Ω/km	.285	7.24	BC Braid 97% Shield Coverage 1.1Ω/M′ 3.6Ω/km	.403	10.24	50	78%	26	85.3	1 10 50 100 200 400 700 900 1000 4000	.1 .5 1.2 1.7 2.6 3.9 5.6 6.5 7.0 21.5	.5 1.7 3.9 5.6 8.5 12.8 18.4 21.3 23.0 70.5

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

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50 Ohm Transmission and Computer Cable

RG-8/U Type

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
RG-8/U Type • 10 AWG Solid .108″ Bare Copper • Duobond® II + 90% Tinned Copper Braid Shield																			
Semi-solid Polyethylene Insulation • Black PVC Jacket																			
Low Loss 75°C	**9913**		100	30.5	14.0	6.4	10 AWG (solid) .108″ BC .9Ω/M′ 3.0Ω/km	.286	7.26	Duobond II + 90% TC Braid 1.8Ω/M′ 5.9Ω/km	.405	10.29	50	84%	24.6	80.7	1	.3	1.0
			250	76.2	31.3	14.2											10	.5	1.6
			500	152.4	57.5	26.1											50	1.1	3.6
			1000	304.8	114.0	57.8											100	1.6	5.1
											For Plenum version of 9913, see 89913.						200	2.2	7.2
																	400	3.1	10.1
																	700	4.1	13.3
																	900	4.6	15.1
																	1000	4.8	15.9
																	4000	9.6	31.5
RG-8/U Type • 10 AWG Stranded (7x19) .108″ Bare Copper • Duobond II + 95% Tinned Copper Braid Shield																			
Gas-injected Foam HDPE Insulation • Matte Black Belflex® Jacket																			
Low Loss High-Flex 80°C	**9913F7**		100	30.5	12.4	5.6	10 AWG (7x19) .108″ BC 1.1Ω/M′ 3.7Ω/km	.285	7.24	Duobond II + 95% TC Braid 1.1Ω/M′ 3.6Ω/km	.405	10.29	50	83%	24.6	80.7	1	.4	1.3
			250	76.2	27.5	12.5											10	.6	2.1
			500	152.4	52.0	23.6											50	1.3	4.4
			1000	304.8	102.0	46.4											100	1.8	6.0
																	200	2.5	8.4
																	400	3.5	11.5
																	700	4.6	15.0
																	900	5.1	16.9
																	1000	5.4	17.7
																	4000	10.3	33.8
RG-8/U Type • 10 AWG Solid .108″ Bare Copper • Duobond II + 90% Tinned Copper Braid Shield																			
Plenum • Semi-solid FEP Insulation • Black Fluorocopolymer Jacket																			
150°C	**89913**	NEC: CMP CEC: CMP FT6	500†	152.4	63.0	28.6	10 AWG (solid) .108″ BC .9Ω/M′ 3.0Ω/km	.295	7.49	Duobond II + 90% TC Braid 1.8Ω/M′ 5.9Ω/km	.364	9.25	50	83%	25.0	82.0	1	.1	.3
			1000†	304.8	128.0	58.2											10	.4	1.3
																	50	1.0	3.3
																	100	1.6	5.2
																	200	2.3	7.5
																	400	3.4	11.1
																	700	5.0	16.4
																	900	6.0	19.7
																	1000	6.9	22.6
																	4000	17.0	55.8
RG-8/U Type • 10 AWG Solid .103″ Bare Copper • Duobond II + 95% Tinned Copper Braid Shield																			
Gas-injected Foam HDPE Insulation • Black PVC Jacket																			
Low Loss UL AWM Style 1354 (30V 80°C)	**9914**	NEC: CMG CEC: CMG FT4	500	152.4	60.0	27.3	10 AWG (solid) .103″ BC 1.2Ω/M′ 3.9Ω/km	.285	7.24	Duobond II + 95% TC Braid 1.1Ω/M′ 3.6Ω/km	.403	10.24	50	82%	24.8	81.4	1	.4	1.3
			1000	304.8	119.0	54.1											10	.6	2.1
																	50	1.3	4.4
																	100	1.8	6.0
																	200	2.5	8.4
																	400	3.5	11.5
																	700	4.6	15.0
																	900	5.1	16.9
																	1000	5.4	17.7
																	4000	10.3	33.8
RG-8/U Type • 10 AWG Solid .108″ Bare Copper • Duofoil® + 90% Tinned Copper Braid Shield																			
Plenum • Foam FEP Insulation • Black Fluorocopolymer Jacket																			
Low Loss 125°C	**7733A**	NEC: CMP CEC: CMP FT6	500	152.4	53.5	24.3	10 AWG (solid) .108″ BC .9Ω/M′ 3.0Ω/km	.280	7.11	Duofoil + 90% TC Braid 1.8Ω/M′ 5.9Ω/km	.355	9.01	50	84%	24.2	79.4	1	.1	.3
			1000	304.8	105.0	47.7											10	.4	1.3
																	50	1.1	3.6
																	100	1.5	4.9
																	200	2.1	6.9
																	400	3.2	10.5
																	700	4.5	14.8
																	900	5.7	18.7
																	1000	5.9	19.4
																	4000	14.1	46.3

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

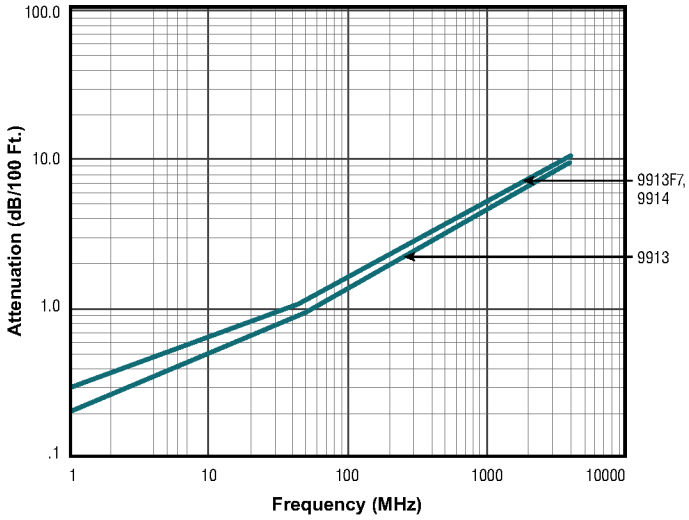
†Spools are one piece, but length may vary ±10% from length shown.

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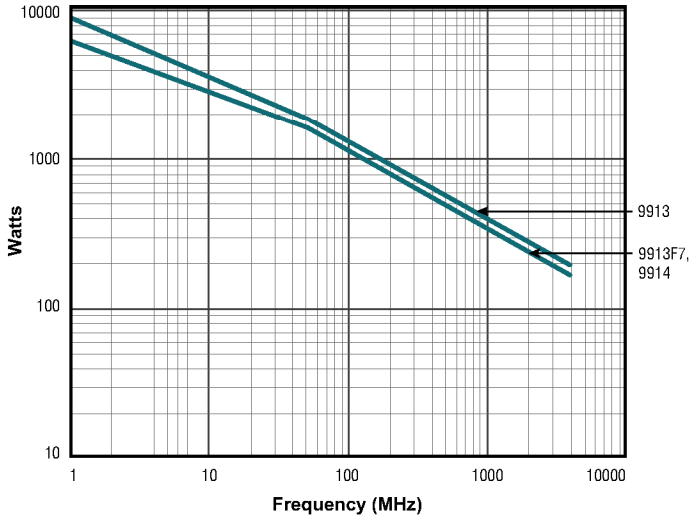
50 Ohm Transmission Cable

Electrical Characteristics of 9913, 9913F7 and 9914

Attenuation



Power Rating



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Conformable® Coax Cable

50 Ohm Microwave Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
M17/151 Type • 29 AWG Solid .011″ Silver-coated Copper-covered Steel • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon® Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1674A***		50†	15.2	.2	.1	29 AWG (solid) .011″ SCCCS 205.0Ω/M′ 672.4Ω/km	.034	.85	CT Composite 100% Shield Coverage 8.0Ω/M′ 26.2Ω/km	.047	1.19	50	69.5%	29.5	96.8	500	25.0	82.0
			100†	30.5	.4	.2											1000	36.7	120.3
			500†	152.4	2.0	.9											2000	53.8	176.5
			1000†	304.8	5.0	2.3											3000	67.3	220.8
																	5000	89.2	292.8
																	7000	107.5	352.6
																	10000	130.9	429.5
																	15000	163.8	537.4
																	18000	181.1	594.3
																	20000	192.0	630.0
M17/151 Type • 29 AWG Solid .011″ Silver-plated Copper • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1674B*** new		100†	30.5	.4	.2	29 AWG (solid) .011″ SPC 81.2Ω/M′ 266.4Ω/km	.034	.85	CT Composite 100% Shield Coverage 8.0Ω/M′ 26.2Ω/km	.047	1.19	50	69.5%	29.5	96.8	500	25.0	82.0
			500†	152.4	2.0	.9											1000	36.7	120.3
			1000†	304.8	5.0	2.3											2000	53.8	176.5
																	3000	67.3	220.8
																	5000	89.2	292.8
																	7000	107.5	352.6
																	10000	130.9	429.5
																	15000	163.8	537.4
																	18000	181.1	594.3
																	20000	192.0	630.0
RG-405/U Type • 24 AWG Solid .020″ Silver-coated Copper-covered Steel • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1671A***		50†	15.2	2.8	1.3	24 AWG (solid) .020″ SCCCS 64.2Ω/M′ 210.6Ω/km	.062	1.57	CT Composite 100% Shield Coverage 10.2Ω/M′ 33.5Ω/km	.085	2.16	50	69.5%	29.5	96.8	500	13.0	42.7
			100†	30.5	3.3	1.5											1000	19.4	63.5
			500†	152.4	8.0	3.6											2000	28.8	94.5
			1000†	304.8	14.0	6.4											3000	36.4	119.3
																	5000	48.7	159.9
																	7000	59.1	194.0
																	10000	72.6	238.0
																	15000	91.6	300.4
																	18000	101.7	333.6
																	20000	108.0	354.3
TFE Teflon Insulation • PVC Jacket (Black or Clear)																			
UL AWM Style 10245 (30V 105°C)	**1671J***		100†	30.5	3.7	1.7	24 AWG (solid) .020″ SCCCS 64.2Ω/M′ 210.6Ω/km	.062	1.57	CT Composite 100% Shield Coverage 10.2Ω/M′ 33.5Ω/km	.127	3.23	50	69.5%	29.5	96.8	500	13.0	47.2
			500†	152.4	9.5	4.7											1000	19.4	63.5
			1000†	304.8	18.0	8.2											2000	28.8	94.5
																	3000	36.4	119.3
																	5000	48.7	159.9
																	7000	59.1	194.0
																	10000	72.6	238.0
																	15000	91.6	300.4
																	18000	101.7	333.6
																	20000	108.0	354.3
RG-405/U Type • 24 AWG Solid .020″ Silver-plated Copper • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1671B** new		100†	30.5	3.3	1.5	24 AWG (solid) .020″ SPC 25.7Ω/M′ 84.3Ω/km	.062	1.57	CT Composite 100% Shield Coverage 10.2Ω/M′ 33.5Ω/km	.085	2.16	50	69.5%	29.5	96.8	500	13.0	47.2
			500†	152.4	8.0	3.6											1000	19.4	63.5
			1000†	304.8	14.0	6.4											2000	28.8	94.5
																	3000	36.4	119.3
																	5000	48.7	159.9
																	7000	59.1	194.0
																	10000	72.6	238.0
																	15000	91.6	300.4
																	18000	101.7	333.6
																	20000	108.0	354.3

CT = Copper-Tin • DCR = DC Resistance • SCCCS = Silver-coated Copper-covered Steel • SPC = Silver-plated Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

*Protected by one or more of U.S. Patent Nos. 4,694,122 and 5,292,001. Patent held in the U.S., Singapore, Australia, Germany, France and England. Patent pending in Japan.

†50 ft. put-up: Exact 1 piece
100 ft. put-up: Exact 2 pieces (maximum), 25 feet minimum length
250 ft. put-up: Exact 3 pieces (maximum), 25 feet minimum length
500 ft. put-up: Exact 4 pieces (maximum), 25 feet minimum length
1000 ft. put-up: Exact 3 pieces (maximum), 328 feet minimum length

Teflon is a Dupont trademark.

HALLIBURTON EXHIBIT 2023
Profrac Holding Corporation and U.S. Well Services, LLC v. Halliburton Energy Services, Inc.
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Conformable® Coax Cable

50 Ohm Microwave Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
RG-402/U Type • 19 AWG Solid .036″ Silver-coated Copper-covered Steel • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon® Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1673A***		50†	15.2	4.1	1.8	19 AWG (solid) .036″ SCCCS 20.5Ω/M′ 67.2Ω/km	.116	2.95	CT Composite 100% Shield Coverage 4.5Ω/M′ 14.8Ω/km	.138	3.51	50	69.5%	29.5	96.8	500	8.0	26.2
			100†	30.5	4.7	2.1											1000	12.0	39.5
			250†	76.2	8.8	4.0											2000	18.1	59.3
			500†	152.4	15.0	6.8											3000	22.9	75.3
																	5000	31.0	101.6
																	7000	37.8	123.9
																	10000	46.6	152.8
																	15000	59.1	193.9
																	18000	65.8	215.9
																	20000	70.0	229.7
TFE Teflon Insulation • PVC Jacket (Black or Clear)																			
UL AWM Style 10245 (30V 105°C)	**1673J***		100†	30.5	5.1	2.3	19 AWG (solid) .036″ SCCCS 20.5Ω/M′ 67.2Ω/km	.116	2.95	CT Composite 100% Shield Coverage 4.5Ω/M′ 14.8Ω/km	.178	4.52	50	69.5%	29.5	96.8	500	8.0	26.2
			500†	152.4	17.5	8.0											1000	12.0	39.5
																	2000	18.1	59.3
																	3000	22.9	75.3
																	5000	31.0	101.6
																	7000	37.8	123.9
																	10000	46.6	152.8
																	15000	59.1	193.9
																	18000	65.8	215.9
																	20000	70.0	229.7
RG-402/U Type • AWG 19 Solid .036″ Silver-plated Copper • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1673B*** new		100†	30.5	4.7	2.1	19 AWG (solid) .036″ SPC 7.9Ω/M′ 25.9Ω/km	.116	2.95	CT Composite 100% Shield Coverage 4.5Ω/M′ 14.8Ω/km	.138	3.51	50	69.5%	29.5	96.8	500	8.0	26.2
			250†	76.2	8.5	3.9											1000	12.0	39.5
			500†	152.4	15.0	6.8											2000	18.1	59.3
																	3000	22.9	75.3
																	5000	31.0	101.6
																	7000	37.8	123.9
																	10000	46.6	152.8
																	15000	59.1	193.9
																	18000	65.8	215.9
																	20000	70.0	229.7
RG-401/U Type •14 AWG Solid .065″ Silver-plated Copper • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1675A*** new		50†	15.2	4.1	1.8	14 AWG (solid) .065″ SPC 2.5Ω/M′ 8.2Ω/km	.210	5.33	CT Composite 100% Shield Coverage 8.0Ω/M′ 26.2Ω/km	.246	6.25	50	69.5%	29.6	97.1	400	3.8	12.6
			100†	30.5	8.1	3.7											500	4.4	14.4
			250†	76.2	20.3	9.2											1000	6.8	22.2
			500†	152.4	40.5	18.4											2000	10.4	34.2
																	3000	13.4	44.1
																	5000	18.5	60.6
																	7000	22.8	74.7
																	10000	28.4	93.3
																	15000	36.6	120.1
																	18000	41.0	134.5
TFE Teflon Insulation • Clear PVC Jacket																			
UL AWM Style 10245 (30V 105°C)	**1675J*** new		50†	15.2	4.5	2.0	14 AWG (solid) .065″ SPC 2.5Ω/M′ 8.2Ω/km	.210	5.33	CT Composite 100% Shield Coverage 8.0Ω/M′ 26.2Ω/km	.286	7.26	50	69.5%	29.6	97.1	400	3.8	12.6
			100†	30.5	9.0	4.1											500	4.4	14.4
			250†	76.2	22.8	10.3											1000	6.8	22.2
			500†	152.4	45.0	20.5											2000	10.4	34.2
																	3000	13.4	44.1
																	5000	18.5	60.6
																	7000	22.8	74.7
																	10000	28.4	93.3
																	15000	36.6	120.1
																	18000	41.0	134.5

CT = Copper-Tin • DCR = DC Resistance • SCCCS = Silver-coated Copper-covered Steel • SPC = Silver-plated Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

*Protected by one or more of U.S. Patent Nos. 4,694,122 and 5,292,001. Patent held in the U.S., Singapore, Australia, Germany, France and England. Patent pending in Japan.

†50 ft. put-up: Exact 1 piece
100 ft. put-up: Exact 2 pieces (maximum), 25 feet minimum length
250 ft. put-up: Exact 3 pieces (maximum), 25 feet minimum length
500 ft. put-up: Exact 4 pieces (maximum), 25 feet minimum length
1000 ft. put-up: Exact 3 pieces (maximum), 328 feet minimum length

Teflon is a DuPont trademark.

HALLIBURTON EXHIBIT 2023
Profrac Holding Corporation and U.S. Well Services, LLC v. Halliburton Energy Services, Inc.
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Conformable® Coax Cable

75 Ohm High-Frequency Video Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
29 AWG Solid .011″ Silver-coated Copper-covered Steel • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon® Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1672A***		500†	152.4	8.0	3.6	29 AWG (solid) .011″ SCCCS 205.0Ω/M′ 672.4Ω/km	.062	1.57	CT Composite 100% Shield Coverage 10.2Ω/M′ 33.5Ω/km	.085	2.21	75	69.5%	19.5	64.0	1	1.2	3.9
			1000†	304.8	14.0	6.4											10	2.4	7.9
																	50	4.5	14.8
																	100	6.6	21.6
																	200	10.0	32.8
																	400	15.0	49.2
																	500	17.0	55.8
																	700	21.0	68.9
																	900	24.0	78.7
																	1000	26.0	85.3
TFE Teflon Insulation • PVC Jacket (Black or Clear)																			
UL AWM Style 10245 (30V 105°C)	**1672J***		100†▲	30.5	3.1	1.4	29 AWG (solid) .011″ SCCCS 205.0Ω/M′ 672.4Ω/km	.062	1.57	CT Composite 100% Shield Coverage 10.2Ω/M′ 33.5Ω/km	.127	3.23	75	69.5%	19.5	64.0	1	1.2	3.9
			500†	152.4	9.5	4.3											10	2.4	7.9
			1000†	304.8	17.0	7.7											50	4.5	14.8
																	100	6.6	21.6
																	200	10.0	32.8
																	400	15.0	49.2
																	500	17.0	55.8
																	700	21.0	68.9
																	900	24.0	78.7
▲100 ft. put-up available in Clear only.																	1000	26.0	85.3
29 AWG Solid .011″ Silver-plated Copper • Copper-Tin Composite Shield (100% Coverage)																			
TFE Teflon Insulation • Unjacketed																			
UL AWM Style 10245 (30V 105°C)	**1672B*** new		100†	30.5	3.3	1.5	29 AWG (solid) .011″ SPC 81.2Ω/M′ 266.4Ω/km	.062	1.57	CT Composite 100% Shield Coverage 10.2Ω/M′ 33.5Ω/km	.087	2.21	75	69.5%	19.5	64.0	1	1.2	3.9
			500†	152.4	8.0	3.6											10	2.4	7.9
			1000†	304.8	14.0	6.4											50	4.5	14.8
																	100	6.6	21.7
																	200	10.0	32.8
																	400	15.0	49.2
																	500	17.0	55.8
																	700	21.0	68.9
																	900	24.0	78.7
Non-ferrous design.																	1000	26.0	85.3

CT = Copper Tin • DCR = DC Resistance • SCCCS = Silver-coated Copper-covered Steel • SPC = Silver-plated Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

*Protected by one or more of U.S. Patent Nos. 4,694,122 and 5,292,001. Patent held in the U.S., Singapore, Australia, Germany, France and England. Patent pending in Japan.

†50 ft. put-up: Exact 1 piece
100 ft. put-up: Exact 2 pieces (maximum), 25 feet minimum length
250 ft. put-up: Exact 3 pieces (maximum), 25 feet minimum length
500 ft. put-up: Exact 4 pieces (maximum), 25 feet minimum length
1000 ft. put-up: Exact 3 pieces (maximum), 328 feet minimum length

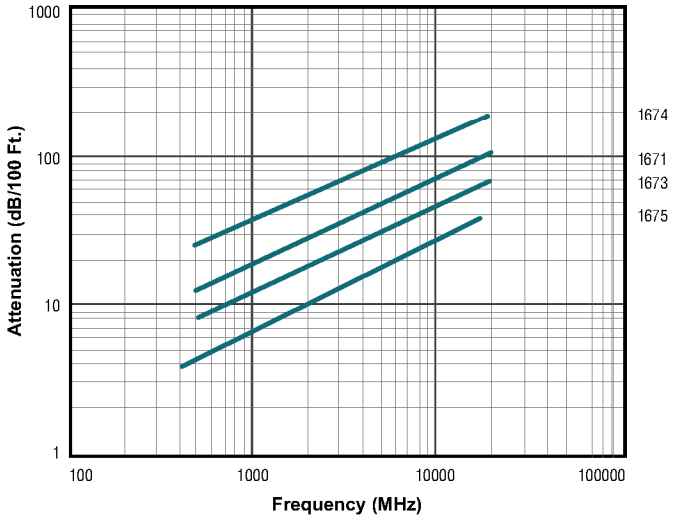
Teflon is a DuPont trademark.

HALLIBURTON EXHIBIT 2023
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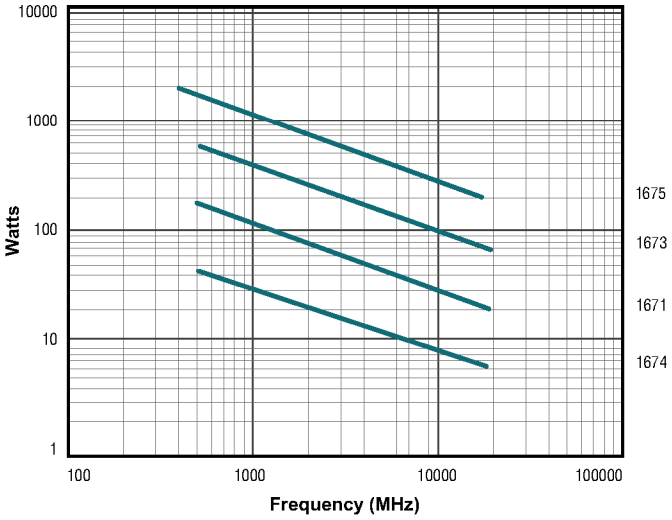
Conformable® Coax Cable

Electrical Characteristics

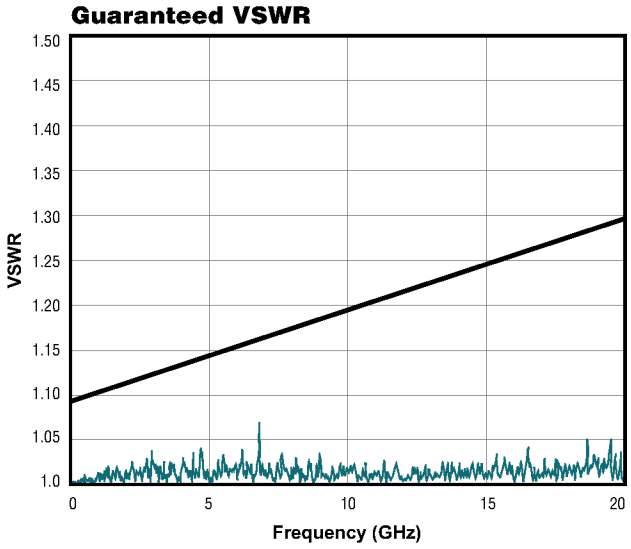
Attenuation



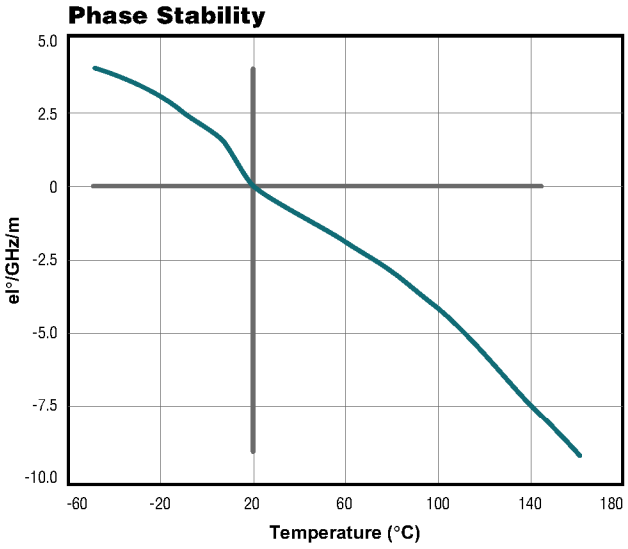
Power Rating



Guaranteed VSWR



Phase Stability



Conformable Coax cable is an alternative to semi-rigid and flexible coax for "black box" applications involving internal, head-end wiring of electronic equipment, delay lines, and high-frequency applications.

HALLIBURTON EXHIBIT 2023
Profrac Holding Corporation and U.S. Well Services, LLC v. Halliburton Energy Services, Inc.
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MIL-C-17G QPL Cable

50 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
30 AWG Stranded (7x38) .012″ Silver-coated Copper-covered Steel • Silver-coated Copper Braid Shield																			
TFE Teflon® Insulation • White FEP Jacket																			
200°C	**83265**		100†	30.5	.8	.4	30 AWG	.033	.84	SCC Braid	.071	1.80	50	69.5%	29.0	95.1	1	2.6	8.5
VW-1			500†	152.4	3.5	1.6	(7x38)			96% Shield							10	5.6	18.4
			1000†	304.8	7.0	3.2	.012″			Coverage							50	10.5	34.4
							SCCCS			14.6Ω/M′							100	14.0	45.9
							244.0Ω/M′			47.9Ω/km							200	19.0	62.3
							801.0Ω/km										400	28.0	91.9
																	700	37.0	121.4
																	900	42.5	139.4
M17/169-00001 (RG-178B/U). Non-SWR swept version of RG-178.																	1000	46.0	150.9
26 AWG Stranded (7x.006″) .020″ Silver-coated Copper-covered Steel • 95% Silver-coated Copper Braid Shield																			
TFE Teflon Insulation • White FEP Jacket																			
200°C	**83284**		100†	30.5	1.2	.5	26 AWG	.058	1.47	SCC Braid	.098	2.49	50	69.5%	29.0	95.1	1	1.2	3.9
VW-1			500†	152.4	6.0	2.7	(7x.006″)			95% Shield							10	2.7	8.9
			1000†	304.8	11.0	5.0	.020″			Coverage							50	5.6	18.4
							SCCCS			6.5Ω/M′							100	8.3	27.2
							84.1Ω/M′			27.9Ω/km							200	12.0	39.4
							275.9Ω/km										400	17.5	57.4
																	700	23.7	77.8
																	900	27.3	89.6
M17/172-00001 (RG-316/U). Non-SWR swept version of RG-316.																	1000	29.0	95.1
TFE Teflon Insulation • Brown FEP Jacket																			
200°C	**84316**		100†	30.5	1.2	.5	26 AWG	.058	1.47	SCC Braid	.098	2.44	50	69.5%	29.0	95.1	1	1.2	3.9
VW-1			500†	152.4	6.0	2.7	(7x.006″)			95% Shield							10	2.7	8.9
			1000†	304.8	11.0	5.0	.020″			Coverage							50	5.6	18.4
							SCCCS			6.5Ω/M′							100	8.3	27.2
							84.1Ω/M′			27.9Ω/km							200	12.0	39.4
							275.9Ω/km										400	17.5	57.4
																	700	23.7	77.8
																	900	27.3	89.6
M17/113-RG316																	1000	29.0	95.1
22 AWG Stranded (27x36) .030″ Tinned Copper • 95% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
UL AWM	**9252**	NEC:	1000	304.8	20.0	9.1	22 AWG	.096	2.44	TC Braid	.160	4.06	50	66%	30.8	101.0	1	.4	1.3
Style 1354		CMX					(27x36)			Shield							10	1.7	5.6
(30V 60°C)		CEC:					.030″			95% Shield							50	4.5	14.8
		CMX					TC			Coverage							100	7.0	23.0
							17.1Ω/M′			5.2Ω/M′							200	11.0	36.1
							56.1Ω/km			17.1Ω/km							400	16.5	54.1
																	700	23.5	77.1
																	900	27.3	89.6
M17/157-00001 (RG-122/U). Non-SWR swept version of RG-122.																	1000	29.0	95.1

DCR = DC Resistance • SCC = Silver-coated Copper • SCCCS = Silver-coated Copper-covered Steel • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

†Spools may contain more than one piece. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.

HALLIBURTON EXHIBIT 2023
Profrac Holding Corporation and U.S. Well Services, LLC v. Halliburton Energy Services, Inc.
IPR2023-01319, Page 240

MIL-C-17G QPL Cable

50 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
20 AWG Stranded (19x33) .035″ Tinned Copper • 95% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
85°C	**9203**		500	152.4	15.5	7.0	20 AWG	.116	2.95	TC Braid	.195	4.95	50	66%	30.8	101.0	1	.4	1.4
			1000	304.8	26.0	11.8	(19x33)			95% Shield							10	1.4	4.6
							.035″			Coverage							50	3.3	10.8
							TC			4.1Ω/M′							100	4.9	16.1
							10.8Ω/M′			13.4Ω/km							200	7.3	24.0
							35.4Ω/km										400	11.5	37.7
																	700	17.0	55.8
																	900	20.0	65.6
M17/28-RG58																	1000	21.5	70.5
85°C	**8262**		U-500	U-152.4	14.0	6.4	20 AWG	.115	2.92	TC Braid	.195	4.90	50	66%	30.8	101.0	1	.4	1.4
			500	152.4	16.0	4.3	(19x33)			95% Shield							10	1.4	4.6
			U-1000	U-304.8	27.0	12.3	.035″			Coverage							50	3.3	10.8
			1000	304.8	27.0	12.3	TC			4.1Ω/M′							100	4.9	16.1
							10.8Ω/M′			13.4Ω/km							200	7.3	24.0
							35.4Ω/km										400	11.5	37.7
																	700	17.0	55.8
																	900	20.0	65.6
M17/155-00001 (RG-58C/U). Non-SWR swept version of RG-58.																	1000	21.5	70.5
19 AWG Solid .034″ Silver-coated Copper • Two Silver-coated Copper Braids (95% Shield Coverage)																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
UL AWM	**9273**	NEC:	100	30.5	4.7	2.1	19 AWG	.117	2.95	(2) SCC	.212	5.38	50	66%	30.8	101.0	1	.4	1.1
Style 1354		CMX	U-500	U-152.4	19.5	8.9	(solid)			Braids							10	1.2	3.9
(30V 60°C)		CEC:	500	152.4	22.0	10.0	.034″			95% Shield							50	2.8	9.2
		CMX	U-1000	U-304.8	39.0	17.7	SCC			Coverage							100	4.1	13.5
			1000	304.8	39.0	17.7	8.8Ω/M′			2.5Ω/M′							200	6.0	19.7
							28.9Ω/km			8.2Ω/km							400	8.8	28.9
																	700	12.0	39.4
																	900	13.8	45.3
M17/167-00001 (RG-223/U). Non-SWR swept version of RG-223.																	1000	14.5	47.6
18 AWG Solid .037″ Silver-coated Copper-covered Steel • Two Silver-coated Copper Braids (96% Shield Coverage)																			
Plenum • TFE Teflon® Insulation • Tinted Brown FEP Jacket																			
200°C	**84142**	NEC:	100†	30.5	6.2	2.8	18 AWG	.116	2.95	(2) SCC	.195	4.95	50	70%	29.0	95.1	1	.3	1.1
VW-1		CMP	500†	152.4	23.0	10.5	(solid)			Braids							10	1.1	3.6
		CEC:	1000†	304.8	48.0	21.8	.037″			96% Shield							50	2.7	8.9
		CMP FT6					SCCCS			Coverage							100	3.9	12.8
							19.3Ω/M′			2.3Ω/M′							200	5.6	18.4
							63.3Ω/km			7.5Ω/km							400	6.9	22.6
																	700	11.0	36.1
																	900	12.5	41.0
M17/60-RG142																	1000	13.5	44.3
200°C	**83242**	NEC:	100†	30.5	6.5	3.0	18 AWG	.116	2.95	(2) SCC	.195	4.95	50	70%	29.0	95.1	1	.3	1.1
VW-1		CMP	500†	152.4	23.0	10.5	(solid)			Braids							10	1.1	3.6
		CEC:	1000†	304.8	48.0	21.8	.037″			96% Shield							50	2.7	8.9
		CMP FT6					SCCCS			Coverage							100	3.9	12.8
							19.3Ω/M′			2.3Ω/M′							200	5.6	18.4
							63.3Ω/km			7.5Ω/km							400	6.9	22.6
																	700	11.0	36.1
																	900	12.5	41.0
M17/158-00001 (RG-142B/U). Non-SWR swept version of RG-142.																	1000	13.5	44.3
18 AWG Solid .037″ Silver-coated Copper-covered Steel • 95% Silver-coated Copper Braid Shield																			
Plenum • TFE Teflon Insulation • Tinted Brown FEP Jacket																			
200°C	**84303**	NEC:	500†	152.4	17.0	7.7	18 AWG	.116	2.95	SCC Braid	.170	4.31	50	70%	29.0	95.1	1	.3	1.1
VW-1		CL2P	1000†	304.8	32.0	14.5	(solid)			Shield							10	1.1	3.6
							.037″			95% Shield							50	2.7	8.9
							SCCCS			Coverage							100	3.9	12.8
							16.3Ω/M′			4.3Ω/M′							200	5.6	18.4
							53.5Ω/km			14.1Ω/km							400	8.2	26.9
																	700	11.0	36.1
																	900	12.5	41.0
M17/111-RG303																	1000	13.5	44.3

DCR = DC Resistance • SCC = Silver-coated Copper • SCCCS = Silver-coated Copper-covered Steel • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

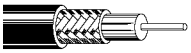
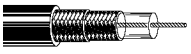
†Spools may contain more than one piece. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.

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MIL-C-17G QPL Cable

50 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
15.5 AWG Solid .056″ Silver-coated Copper • Two Silver-coated Copper Braids (95% Shield Coverage)																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
85°C	**9861**		1000	304.8	91.0	41.4	15.5 AWG (solid) .056″ SCC 3.3Ω/M′ 10.8Ω/km	.185	4.70	(2) SCC Braids 95% Shield Coverage 1.1Ω/M′ 3.6Ω/km	.332	8.43	50	66%	30.8	101.0	1	.3	.9
																	10	.8	2.7
																	50	1.9	6.2
																	100	2.7	8.9
																	200	4.1	13.5
																	400	5.9	19.4
																	700	8.0	26.2
																	900	9.1	29.9
M17/162-00001 (RG-212/U). Non-SWR swept version of RG-212.																	1000	9.8	32.1
13 AWG Stranded (7x21) .089″ Bare Copper • 97% Bare Copper Braid Shield																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
UL AWM	**8267**	NEC:	500	152.4	57.0	25.9	13 AWG (7x21) .089″ BC 1.7Ω/M′ 5.6Ω/km	.285	7.24	BC Braid 97% Shield Coverage 1.2Ω/M′ 3.9Ω/km	.405	10.29	50	66%	30.8	101.0	1	.2	.6
Style 1354		CMX	1000	304.8	113.0	51.4											10	.6	1.8
(30V 60°C)		CEC:															50	1.3	4.3
		CMX															100	1.9	6.2
																	200	2.7	8.9
																	400	4.1	13.5
																	700	6.5	21.3
																	900	7.6	24.9
																	1000	8.0	26.2
M17/163-00001 (RG-213/U). Non-SWR swept version of RG-213.																	4000	21.5	70.5
13 AWG Stranded (7x21) .089″ Silver-coated Copper • Two Silver-coated Copper Braids (97% Shield Coverage)																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
UL AWM	**8268**	NEC:	500	152.4	68.0	30.9	13 AWG (7x21) .089″ SCC 1.7Ω/M′ 5.6Ω/km	.285	7.24	(2) SCC Braids 97% Shield Coverage .7Ω/M′ 2.3Ω/km	.425	10.80	50	66%	30.8	101.0	1	.2	.6
Style 1354		CMX	1000	304.8	135.0	61.4											10	.6	1.8
(30V 60°C)		CEC:															50	1.3	4.3
		CMX															100	1.9	6.2
																	200	2.7	8.9
																	400	4.1	13.4
																	700	6.5	21.3
																	900	7.6	24.9
																	1000	8.0	26.2
M17/164-00001 (RG-214/U). Non-SWR swept version of RG-214.																	4000	20.0	65.6

BC = Bare Copper • DCR = DC Resistance • SCC= Silver-coated Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

†Spools may contain more than one piece. Length may vary ±10% from length shown.

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MIL-C-17G QPL Cable

75 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
30 AWG Stranded (7x38) .012″ Silver-coated Copper-covered Steel • Silver-coated Copper Braid Shield																			
TFE Teflon® Insulation • Tinted Brown FEP Jacket																			
200°C	**83264**		100 †	30.5	1.2	.5	30 AWG	.062	1.58	SCC Braid	.100	2.54	75	69.5%	19.5	64.0	1	3.0	9.8
VW-1			500 †	152.4	6.0	2.7	(7x38)			95% Shield							10	5.3	17.4
			1000 †	304.8	11.0	5.0	.012″			Coverage							50	8.5	27.9
							SCCCS			8.5Ω/M′							100	10.0	32.8
							244.0Ω/M′			28.2Ω/km							200	12.5	41.0
							801.0Ω/km										400	16.0	52.5
																	700	19.7	64.6
																	900	22.3	73.2
M17/94-RG179																	1000	24.0	78.7
23 AWG Solid .023″ Bare Copper-covered Steel • 95% Bare Copper Braid Shield																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
60°C	**9204**	NEC:	500	152.4	22.0	10.0	23 AWG	.146	3.71	BC Braid	.241	6.12	75	66%	20.5	67.3	1	.6	2.0
VW-1		CMH	U-1000	U-304.8	38.0	17.3	(solid)			95% Shield							10	1.1	3.6
		CEC:	1000	304.8	38.0	17.3	.023″			Coverage							50	2.4	7.9
		CMH FT1					BCCS			2.6Ω/M′							100	3.4	11.2
							47.0Ω/M′			8.5Ω/km							200	4.9	16.1
							152.4Ω/km										400	7.0	23.0
																	700	9.7	31.8
																	900	11.1	36.4
M17/29-RG59																	1000	12.0	39.4
18 AWG Stranded (7x26) .048″ Tinned Copper • 97% Bare Copper Braid Shield																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
60°C	**9212**	NEC:	1000	304.8	105.0	47.7	18 AWG	.285	7.24	BC Braid	.405	10.29	75	66%	20.5	67.3	1	.2	.6
VW-1		CMH					(7x26)			97% Shield							10	.7	2.2
		CEC:					.048″			Coverage							50	1.3	4.3
		CMH FT1					TC			1.2Ω/M′							100	2.0	6.6
							6.1Ω/M′			3.9Ω/km							200	2.9	9.5
							20.0Ω/km										400	4.2	13.8
																	700	5.8	19.0
																	900	6.9	22.6
M17/6-RG11																	1000	7.2	23.6
18 AWG Stranded (7x26) .048″ Tinned Copper • Two Bare Copper Braid Shield (95% Shield Coverage)																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
60°C	**9850**	NEC:	1000	304.8	131.0	59.5	18 AWG	.285	7.24	(2) BC	.425	10.80	75	66%	20.5	67.3	1	.2	.6
VW-1		CMH					(7x26)			Braids							10	.7	2.2
		CEC:					.048″			95% Shield							50	1.3	4.3
		CMH FT1					TC			Coverage							100	2.0	6.6
							6.1Ω/M′			.8Ω/M′							200	2.9	9.5
							20.0Ω/km			2.6Ω/km							400	4.2	13.8
																	700	5.8	19.0
																	900	6.8	22.3
M17/77-RG216																	1000	7.1	23.3

BC = Bare Copper BCCS = Bare Copper-covered Steel • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

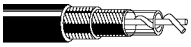
† Spools may contain more than one piece. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.

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MIL-C-17G QPL Cable

93 Ohm, 95 Ohm and 125 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
93 Ohm • 22 AWG Solid .025″ Bare Copper-covered Steel • 95% Bare Copper Braid Shield																			
Semi-solid Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	**9862**	NEC: CMX CEC: CMX	1000	304.8	34.0	15.5	22 AWG (solid) .025″ BCCS 41.2Ω/M′ 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M′ 9.5Ω/km	.242	6.15	93	84%	13.5	44.3	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	.8 2.8 6.2 8.9 12.5 17.4 23.9 26.9 28.5
 M17/30-RG62																			
93 Ohm • 22 AWG Solid .025″ Bare Copper-covered Steel • BC Outer Braid/TC Inner Braid (95% Shield Coverage)																			
Semi-solid Polyethylene Insulation • Black Polyethylene Jacket																			
85°C	**9169**		1000	304.8	46.0	20.9	22 AWG (solid) .025″ BCCS 41.2Ω/M′ 135.1Ω/km	.146	3.71	(2) Braids Inner: BC Outer: TC 95% Shield Coverage 1.5Ω/M′ 4.9Ω/km	.245	6.22	93	84%	13.5	44.3	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	.8 2.8 6.2 8.9 12.5 17.4 23.9 26.9 28.5
 M17/90-RG71																			
95 Ohm • 30 AWG Stranded (7x38) .012″ Silver-coated Copper-covered Steel • Silver-coated Copper Braid Shield																			
TFE Teflon® Insulation • Tinted Brown FEP Jacket																			
200°C VW-1	**83266**		1000 †	304.8	20.0	9.1	30 AWG (7x38) .012″ SCCCS 244.0Ω/M′ 801.0Ω/km	.102	2.60	SCC Braid 91% Shield Coverage 6.5Ω/M′ 21.3Ω/km	.141	3.58	95	69.5%	15.0	49.2	1 10 50 100 200 400 700 900 1000	2.4 3.3 4.6 5.7 7.6 10.7 14.9 15.9 17.0	7.9 10.8 15.1 18.7 24.9 35.1 48.9 52.2 55.8
 M17/95-RG180																			
125 Ohm • 22 AWG Solid .025″ Bare Copper-covered Steel • 97% Bare Copper Braid Shield																			
Semi-solid Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
60°C	**9857**	NEC: CMH CEC: CMH FT1	1000	304.8	87.0	39.5	22 AWG (solid) .025″ BCCS 41.2Ω/M′ 135.1Ω/km	.285	7.24	BC Braid 97% Shield Coverage 1.2Ω/M′ 3.9Ω/km	.405	10.29	125	84%	9.7	31.8	1 10 50 100 200 400 700 900 1000	.2 .5 1.1 1.5 2.3 3.4 4.6 5.5 5.8	.6 1.7 3.6 4.9 7.5 11.2 15.1 18.0 19.0
 M17/31-RG63																			

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

Teflon is a DuPont trademark.

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MIL-C-17G QPL Cable

Twinax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
Twinax • 24 AWG Stranded (19x.005″) .024″ Silver-coated High-Strength Copper Alloy • 93% SC High Strength CA Braid Shield																			
TFE Teflon® Insulation • Blue PFA Jacket (Color Code: White, Blue)																			
200°C	**81553**		500 †	152.4	9.0	4.1	24 AWG	.084	2.13	SC High	.129	3.28	77	70%	19.0	62.4	1	1.2	3.9
			1000 †	304.8	17.0	7.7	(19x.005″)			Strength							10	4.0	14.4
							.024″			CA Braid							50	9.2	30.2
							SC High			93% Shield							100	13.0	42.7
							Strength			Coverage							200	18.4	60.4
							CA			7.4Ω/M′							400	26.1	85.6
							24.5Ω/M′			24.3Ω/km							700	34.6	113.5
M17/176-00002							80.4Ω/km										900	39.3	128.9
																	1000	41.4	135.8
Twinax • 20 AWG Stranded (7x28) .038″ Tinned Copper • 85% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket (One conductor has bare strand for ID)																			
85°C	**9859**		1000	304.8	35.0	15.9	20 AWG	.158	4.01	TC Braid	.235	5.97	78	66%	19.7	64.6	1	.7	2.3
							(7x28)			85% Shield							10	2.3	7.5
							.038″			Coverage							50	5.2	17.1
							TC			5.3Ω/M′							100	7.5	24.6
							9.5Ω/M′			17.3Ω/km							200	11.0	36.1
							31.2Ω/km										400	16.0	52.5
M17/45-RG108																			

CA = Copper Alloy • DCR = DC Resistance • PFA = Perfluoroalkoxy • SC = Silver-coated • TC = Tinned Copper

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†Spools may contain more than one piece. Length may vary ±10% from length shown.

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Special Audio, Communication and Instrumentation Cable

Miniature Instrumentation and Low Triboelectric Noise Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
Miniature • 28 AWG Solid .013″ Tinned Copper • 90% Bare Copper Braid Shield																			
Polypropylene Insulation • Black PVC Jacket																			
105°C VW-1	**8700**	NEC: CMH CEC: CMH FT1	250	76.2	.8	.3	28 AWG (solid) .013″ TC 66.9Ω/M′ 219.5Ω/km	.023	.58	BC Braid 90% Shield Coverage 28.7Ω/M′ 94.2Ω/km	.054	1.37	32	66%	55.2	181.1	1 10 50 100 200 400 700 900 1000	2.5 7.7 17.2 24.5 34.8 50.0 66.0 75.0 79.0	8.2 25.3 56.4 80.4 114.2 164.0 216.0 246.0 259.2
																			
Low Noise • RG-174/U Type • 26 AWG Stranded (7x34) .019″ Bare Copper-covered Steel • 90% Tinned Copper Braid Shield																			
Polyethylene Insulation • Conductive Layer • Black PVC Jacket																			
60°C	**9239**		100 500 1000	30.5 152.4 304.8	1.0 5.0 8.0	.5 2.3 3.6	26 AWG (7x34) .019″ BCCS 97.0Ω/M′ 318.2Ω/km	.044	1.12	TC Braid 90% Shield Coverage 14.0Ω/M′ 45.9Ω/km	.101	2.57	50	62%	38	125	—	—	—
																			
5mV peak-to-peak max. Not recommended for RF use.																			
Low Noise • RG-59/U Type • 22 AWG Solid .025″ Bare Copper-covered Steel • 93% Bare Copper Braid Shield																			
Polyethylene Insulation • Conductive Layer • Black PVC Jacket																			
75°C VW-1	**9224**		U-500 1000	U-152.4 304.8	19.5 38.0	8.9 17.3	22 AWG (solid) .025″ BCCS 54.0Ω/M′ 177.0Ω/km	.146	3.71	BC Braid 93% Shield Coverage 2.5Ω/M′ 8.2Ω/km	.242	6.15	75	65%	22	72	—	—	—
																			
5mV peak-to-peak max. Not recommended for RF use.																			
Low Noise • RG-58/U Type • 22 AWG Stranded (7x30) .030″ Tinned Copper • Duobond® II + 95% TC Braid (100% Shield Coverage)																			
Polyethylene Insulation • Black PVC Jacket																			
80°C VW-1	**9223**		100 500 1000	30.5 152.4 304.8	3.4 15.5 26.0	1.5 7.0 11.8	22 AWG (7x30) .030″ TC 10.8Ω/M′ 35.4Ω/km	.112	2.84	Duobond II + 95% TC Braid 100% Shield Coverage 4.1Ω/M′ 13.5Ω/km	.195	4.95	50	56%	37	122	—	—	—
																			
8mV peak-to-peak max. Not recommended for RF use.																			

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

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Computer and Instrumentation Cable

50 Ohm Ethernet Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

Thin Ethernet • 20 AWG Stranded (19x32) .037″ Tinned Copper • Duobond® II + 93% Tinned Copper Braid Shield

Foam Polyethylene Insulation • Gray PVC Jacket

UL AWM	**9907**	NEC:	500	152.4	12.5	5.7	20 AWG	.102	2.59	Duobond II	.185	4.70	50	80%	25.4	83.3	1	.4	1.4
Style 1354		CM	U-1000	U-304.8	25.0	11.4	(19x32)			+ 93%							10	1.3	4.3
(30V 60°C)		CL2	1000	304.8	25.0	11.4	.037″			TC Braid							50	2.9	9.5
		CEC:	1640	500.0	39.4	17.9	TC			5.8Ω/M′							100	4.2	13.8
		CM	U-2500	U-762.0	60.0	27.3	8.8Ω/M′			19.0Ω/km							200	6.1	20.0
			2500	762.0	62.5	28.4	28.9Ω/km										400	8.9	29.2
			3280	1000.0	82.0	37.3											700	12.1	39.7
																	900	13.9	45.6
DEC Part No. 17-01248-00																	1000	14.8	48.6

For Plenum versions of 9907, see 89907 or 82907.

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket

150°C	**89907**	NEC:	500†	152.4	13.0	5.9	20 AWG	.095	2.41	Duobond II	.160	4.06	50	80%	26.0	85.3	1	.4	1.4
		CMP	1000	304.8	24.0	10.9	(19x32)			+ 93%							10	1.3	4.3
		CL2P	2500†	762.0	60.0	27.3	.037″			TC Braid							50	2.9	9.5
		CEC:					TC			5.8Ω/M′							100	4.2	13.7
		CMP FT6					8.8Ω/M′			19.0Ω/km							200	6.1	20.0
							28.9Ω/km										400	9.2	30.2
																	700	12.9	42.3
RG-58/U Type																	900	15.0	49.2
DEC Part No. 17-01246-00																	1000	16.0	52.5

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C	**82907**	NEC:	500†	152.4	12.5	5.7	20 AWG	.095	2.41	Duobond II	.160	4.06	50	80%	26.0	85.3	1	.4	1.4
		CMP	U-1000†	U-304.8	23.0	10.5	(19x32)			+ 93%							10	1.3	4.3
		CL2P	1000†	304.8	24.0	10.9	.037″			TC Braid							50	2.9	9.5
		CEC:	2500†	762.0	57.5	26.1	TC			5.8Ω/M′							100	4.2	13.7
		CMP FT6					8.8Ω/M′			19.0Ω/km							200	6.1	20.0
							28.9Ω/km										400	9.2	30.2
																	700	12.9	42.3
																	900	15.0	49.2
RG-58/U Type																	1000	16.0	52.5

Thick Ethernet • 12 AWG Solid .086″ Bare Copper • Duobond IV* Quad Shield

Foam Polyethylene Insulation • Yellow PVC Jacket

UL AWM	**9880**	NEC:	500	152.4	66.0	30.0	12 AWG	.243	6.17	Duobond IV	.405	10.29	50	78%	26.0	85.0	1	.2	.6
Style 1478		CL2	1000	304.8	131.0	59.5	(solid)			(Duobond II							5	.4	1.2
(30V 60°C)		CM	1640	500.0	219.0	99.9	.086″			+ 94% TC Braid							10	.5	1.7
		CEC:					BC			+ Duofoil®							50	1.2	3.9
		CM					1.4Ω/M′			+ 90% TC							100	1.7	5.6
							4.7Ω/km			Braid)							200	2.6	8.4
										1.5Ω/M′							400	3.9	12.8
										5.0Ω/km							700	5.5	18.1
DEC Part No. 17-00451-00																	900	6.5	21.3
Ring-band stripes marked every 2.5 meters to aid users in tap placement.																	1000	6.9	22.6

For Plenum version of 9880, see 89880.

Plenum • Foam FEP Insulation • Orange Fluorocopolymer Jacket

150°C	**89880**	NEC:	500†	152.4	67.0	30.5	12 AWG	.245	6.22	Duobond IV	.375	9.53	50	78%	26.0	85.0	1	.2	.6
		CL2P	1000†	304.8	134.0	60.9	(solid)			(Duobond II							5	.4	1.2
		CMP	1640†	500.0	224.7	102.1	.086″			+ 90% TC Braid							10	.5	1.7
		CEC:					BC			+ Duofoil							50	1.2	3.8
		CMP FT6					1.4Ω/M′			+ 90% TC							100	1.7	5.4
							4.7Ω/km			Braid)							200	2.5	8.0
										1.5Ω/M′							400	3.8	12.5
DEC Part No. 17-00324-00										5.0Ω/km							700	5.6	18.4
Ring-band stripes marked every 2.5 meters to aid users in tap placement.																	900	6.8	22.3
Suitable for Outdoor and Direct Burial applications.																	1000	7.2	23.6

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.
For cable manufactured to latest government revision or other MIL-SPEC requirements, please contact your nearest Belden Regional Sales Office.

*Duobond IV = Duobond II + 94% tinned copper braid + Duofoil + 90% tinned copper braid.
(Plenum version is Duobond II + 90% tinned copper braid + Duofoil + 90% tinned copper braid.)

† Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

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Computer and Instrumentation Cable

75 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
75 Ohm • 30 AWG Stranded (7x38) .012″ Silver-coated Copper-covered Steel • 95% Silver-coated Copper Braid Shield																			
TFE Teflon® Insulation • White TFE Tape Jacket																			
200°C VW-1	**83267**		100 † 1000 †	30.5 304.8	1.9 11.0	.9 5.0	30 AWG (7x38) .012″ SCCCS 244.0Ω/M′ 801.0Ω/km	.063	1.60	SCC Braid 95% Shield Coverage 8.6Ω/M′ 28.2Ω/km	.103	2.62	75	70%	19.5	64.0	1 10 50 100 200 400 700 900 1000	3.0 5.3 8.5 10.0 12.5 16.0 19.7 22.3 24.0	9.8 17.4 27.9 32.8 41.0 52.5 64.6 73.2 78.7
RG-187A/U Type • MIL-C-17D																			
75 Ohm • Dual RG-59/U Type • 23 AWG Solid .023″ Bare Copper-covered Steel • Bare Copper Braid Shield																			
Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 20063 (300V 80°C)	**9555**	NEC: CM CEC: CM	500 1000 2000	152.4 304.8 609.6	41.0 83.0 162.0	19.6 37.7 73.6	23 AWG (solid) .023″ BCCS 50.0Ω/M′ 164.0Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.238 x .478	6.05 x 12.14	75	66%	20.5	67.3	1 10 50 100 200 400 700 900 1000	.6 1.1 2.4 3.4 4.9 7.0 9.7 11.1 12.0	2.0 3.6 7.9 11.2 16.1 23.0 31.8 36.4 39.4
For Plenum version of 9555, see 89555.																			
Plenum • FEP Insulation • Clear FEP Jacket																			
200°C	**89555**	NEC: CMP CEC: CMP FT6	500 †† 1000 ††	152.4 304.8	46.5 90.0	21.1 40.9	23 AWG (solid) .023″ BCCS 50.0Ω/M′ 164.0Ω/km	.134	3.40	BC Braid 97% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.212 x .424	5.38 x 10.77	75	70%	19.5	64.0	1 10 50 100 200 400 700 900 1000	.5 1.1 2.5 3.5 5.1 7.5 10.4 12.0 12.7	1.6 3.6 8.2 11.5 16.7 24.6 34.1 39.4 41.7
Suitable for Outdoor and Direct Burial applications.																			
75 Ohm • RG-6/U Type • 18 AWG Solid Bare Copper-covered Steel • Duobond® IV* Quad Shield																			
Non-Plenum • Foam Polyethylene Insulation • Gray PVC Jacket																			
	3131A	NEC: CL2R, CMR CEC: CMR FT4	1000 †† 2500	304.8 762.2	41.0 97.5	18.6 44.3	18 AWG (solid) .040″ Bare Copper Covered Steel 28.0Ω/M′ 91.8Ω/km	.180	4.57	Duobond IV Quad Shield 3.6Ω/M′ 11.8Ω/km	.298	7.57	75	82%	16.2	53.1	1 2 5 10 20 50 100 200 300 400	.35 .38 .45 .59 .86 1.37 1.97 2.82 3.48 4.04	1.15 1.25 1.48 1.94 2.82 4.49 6.46 9.25 11.40 13.30
Sweep tested 5 MHz to 400 MHz. CPE jacket optional.																			
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																			
150°C	**3132A**	NEC: CMP, PLTC CEC: CMP FT6	1000 ††	304.8	36.0	16.4	18 AWG (solid) .040″ Bare Copper Covered Steel 28.0Ω/M′ 19.8Ω/km	.170	4.32	Duobond IV Quad Shield 3.6Ω/M′ 11.8Ω/km	.274	6.96	75	82%	16.3	53.5	1 2 5 10 20 50 100 200 300 400	.36 .38 .50 .65 .95 1.50 2.12 2.99 3.66 4.23	1.18 1.25 1.64 2.13 3.12 4.92 6.96 9.81 12.00 13.90
Sweep tested 5 MHz to 400 MHz.																			
Suitable for Outdoor and Direct Burial applications.																			
75 Ohm • RG-11/U Type • 14 AWG Solid Bare Copper-covered Steel • Duobond IV* Quad Shield																			
Non-Plenum • Foam Polyethylene Insulation • Gray PVC Jacket																			
	3094A	NEC: CL2R, CMR CEC: CMR FT4	500 †† 1000 †† 2000	152.4 304.8 609.6	31.0 62.0 120.0	14.1 28.2 54.5	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond IV Quad Shield 1.8Ω/M′ 5.9Ω/km	.407	10.34	75	82%	16.2	53.1	1 10 50 100 200 400	.30 .60 .90 1.20 1.70 2.40	1.00 2.00 3.00 3.90 5.90 7.90
Sweep tested 5 MHz to 400 MHz. CPE jacket optional.																			
Ring-band stripes marked every 2.6 meters to aid users in tap placement.																			

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • SCC = Silver-coated Copper • SCCCS = Silver-coated Copper-covered Steel

Teflon is a DuPont trademark.

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

† Spools may contain more than one piece. Length may vary ±10% from length shown.
†† Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.
* Duobond IV Quad Shield = Duobond + 60% aluminum braid + Duofoil® + 40% aluminum braid.

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Computer and Instrumentation Cable

75 Ohm and 93 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
75 Ohm • RG-11/U Type • 14 AWG Solid Bare Copper-covered Steel • Duobond IV* Quad Shield *(continued)*																			
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																			
150°C	**3095A**	NEC: CMP, PLTC CEC: CMP FT6	1000††	304.8	76.0	34.5	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond IV Quad Shield 1.8Ω/M′ 5.9Ω/km	.387	9.83	75	82%	16.5	54.1	1 10 50 100 200 400	.20 .39 1.20 1.70 2.50 3.50	.70 1.30 3.90 5.60 8.20 11.50
Suitable for Outdoor and Direct Burial applications. Ring-band stripes marked every 2.6 meters to aid users in tap placement.													Sweep tested 5 MHz to 400 MHz.						
93 Ohm • RG-62B/U Type • 24 AWG Stranded (7x32) .024″ Bare Copper-covered Steel • 95% Bare Copper Braid Shield																			
Semi-solid Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	**8255**	NEC: CMX CEC: CMX	500 1000	152.4 304.8	17.5 34.0	8.0 15.5	24 AWG (7x32) .024″ BCCS 59.0Ω/M′ 193.6Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M′ 9.5Ω/km	.242	6.15	93	84%	13.5	44.3	1 10 50 100 200 400 700 900 1000	.3 .9 2.0 2.9 4.2 6.1 8.6 10.1 11.0	1.0 3.0 6.6 9.5 13.8 20.0 28.2 33.1 36.1
MIL-C-17D																			
93 Ohm • RG-62/U Type • JAN-C-17A • 22 AWG Solid .025″ Bare Copper-covered Steel • 95% Bare Copper Braid Shield																			
Semi-solid Polyethylene Insulation • Black PVC Jacket																			
75°C	**8254**		U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	18.0 18.0 36.0 35.0	8.2 8.2 16.4 15.9	22 AWG (solid) .025″ BCCS 41.2Ω/M′ 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M′ 9.5Ω/km	.238	6.05	93	84%	13.5	44.3	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	.8 2.8 6.2 8.9 12.5 17.4 23.9 26.9 28.5
93 Ohm • RG-62A/U Type • 22 AWG Solid .025″ Bare Copper-covered Steel • 95% Bare Copper Braid Shield																			
Semi-solid Polyethylene Insulation • Black High-density Polyethylene Jacket																			
Flooded Burial 80°C	**9228**		500 1000 2000 5000	152.4 304.8 609.6 1524.0	16.5 33.0 68.0 170.0	7.5 15.0 30.9 77.3	22 AWG (solid) .025″ BCCS 41.2Ω/M′ 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M′ 9.5Ω/km	.242	6.15	93	84%	13.5	44.3	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	.8 2.8 6.2 8.9 12.5 17.4 23.9 26.9 28.5
Semi-solid Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1478 (30V 60°C)	**9268**	NEC: CM CL2 CEC: CM	500 U-1000 1000 2000	152.4 U-304.8 304.8 609.6	22.0 43.0 44.0 88.0	10.0 19.5 20.0 40.0	22 AWG (solid) .025″ BCCS 41.2Ω/M′ 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M′ 9.5Ω/km	.260	6.60	93	84%	13.5	44.3	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	.8 2.8 6.2 8.9 12.5 17.4 23.9 26.9 28.5
IBM P/N 5252750 • Includes Mylar® tape as a moisture barrier for improved outdoor reliability.																			
UL AWM Style 1478 (30V 60°C)	**9269**	NEC: CM CL2 CEC: CM	U-500 500 U-1000▲ 1000 1640 2000 3280 5000	U-152.4 152.4 U-304.8 304.8 500.0 609.6 1000.0 1524.0	18.5 18.5 36.0 36.0 59.0 74.0 118.1 180.0	8.4 8.4 16.4 16.4 26.8 33.6 53.7 81.8	22 AWG (solid) .025″ BCCS 41.2Ω/M′ 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M′ 9.5Ω/km	.239	6.07	93	84%	13.5	44.3	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	.8 2.8 6.2 8.9 12.5 17.4 23.9 26.9 28.5
IBM P/N 323921 P-MSHA SC-1823**													For Plenum version of 9269, see 89269, 87269 and 82269.						
▲U-1000 put-up also available in Orange, Yellow, Blue, Beige or Chrome.																			

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Mylar is a DuPont trademark.

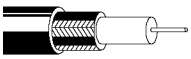
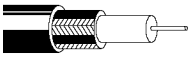
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.
For cables manufactured to latest government revision or other MIL-SPEC requirements, please contact your nearest Belden regional Sales Office.

†† Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.
* Duobond IV Quad Shield = Duobond + 60% aluminum braid + Duofoil® + 40% aluminum braid.
** Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification.

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Computer and Instrumentation Cable

93 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
RG-62/U Type • 22 AWG Solid .025″ Bare Copper-covered Steel • 94% Bare Copper Braid Shield																			
Plenum • Semi-solid FEP Insulation • Black or White Tint FEP Jacket																			
200°C	**89269**	NEC:	100▲	30.5	5.2	2.4	22 AWG	.142	3.61	BC Braid	.200	5.08	93	85%	12.8	42.0	1	.3	1.0
		CMP	500†	152.4	18.0	8.2	(solid)			94% Shield							10	.9	3.0
		CEC:	1000†	304.8	36.0	16.4	.025″			Coverage							50	1.9	6.2
		CMP FT6					BCCS			3.4Ω/M′							100	2.7	8.9
							41.2Ω/M′			11.2Ω/km							200	3.8	12.5
							135.2Ω/km										400	5.3	17.4
																	700	7.3	23.9
																	900	8.2	26.9
▲100 ft. put-up available in Black only.																	1000	8.7	28.5
Suitable for Outdoor and Direct Burial applications.																			
Plenum • FEP Insulation • Gray Fluorocopolymer Jacket																			
150°C	**87269**	NEC:	1000†	304.8	34.0	16.5	22 AWG	.142	3.61	BC Braid	.200	5.08	93	85%	12.8	42.0	1	.3	1.0
		CMP					(solid)			94% Shield							10	.9	3.0
		CEC:					.025″			Coverage							50	1.9	6.2
		CMP FT6					BCCS			3.4Ω/M′							100	2.7	8.9
							41.2Ω/M′			11.2Ω/km							200	3.8	12.5
							135.2Ω/km										400	5.3	17.4
																	700	7.3	23.9
																	900	8.2	26.9
Suitable for Outdoor and Direct Burial applications.																	1000	8.7	28.5
Plenum • Semi-solid FEP Insulation • Natural Flamarrest® Jacket																			
75°C	**82269**	NEC:	1000†	304.8	34.0	15.5	22 AWG	.142	3.61	BC Braid	.200	5.08	93	85%	12.8	42.0	1	.3	1.0
		CMP					(solid)			94% Shield							10	.9	3.0
		CEC:					.025″			Coverage							50	1.9	6.2
		CMP FT6					BCCS			3.4Ω/M′							100	2.7	8.9
							41.2Ω/M′			11.2Ω/km							200	3.8	12.5
							135.2Ω/km										400	5.3	17.4
																	700	7.3	23.9
																	900	8.2	26.9
																	1000	8.7	28.5
Plenum • Foam FEP Insulation • White Tint FEP Jacket																			
200°C	**86262**	NEC:	500†	152.4	18.0	8.2	22 AWG	.146	3.71	BC Braid	.204	5.18	93	85%	12.5	41.0	1	.3	1.8
		CMP	1000†	304.8	35.0	15.9	(solid)			94% Shield							10	.9	3.0
		CEC:					.025″			Coverage							50	1.9	6.2
		CMP FT6					BCCS			3.4Ω/M′							100	2.7	8.9
							41.2Ω/M′			11.2Ω/km							200	3.8	12.5
							135.2Ω/km										400	5.3	17.4
																	700	7.3	23.9
																	900	8.2	26.9
Suitable for Outdoor and Direct Burial applications.																	1000	8.7	28.5
Plenum • Foam FEP Insulation • Natural Flamarrest Jacket																			
75°C	**82262**	NEC:	U-1000†	U-304.8	31.0	14.1	22 AWG	.146	3.71	BC Braid	.204	5.18	93	85%	12.5	41.0	1	.3	1.8
		CMP	1000†	304.8	33.0	15.0	(solid)			94% Shield							10	.9	3.0
		CEC:					.025″			Coverage							50	1.9	6.2
		CMP FT6					BCCS			3.4Ω/M′							100	2.7	8.9
							41.2Ω/M′			11.2Ω/km							200	3.8	12.5
							135.2Ω/km										400	5.3	17.4
																	700	7.3	23.9
																	900	8.2	26.9
Suitable for Outdoor and Direct Burial applications.																	1000	8.7	28.5

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

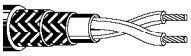
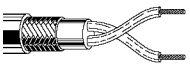
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

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Computer and Instrumentation Cable

78 Ohm, 95 Ohm and 100 Ohm Twinax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
78 Ohm • 20 AWG Stranded (7x28) .038″ Tinned Copper • 93% Tinned Copper Braid Shield																			
Polyethylene Insulation • Blue PVC Jacket (Color Code: Clear, Blue)																			
UL AWM Style 2092 (300V 60°C)	**9272**	NEC:	100	30.5	4.9	2.2	20 AWG (7x28) .038″ TC 9.5Ω/M′ 31.2Ω/km	.156	3.96	TC Braid 93% Shield Coverage 3.4Ω/M′ 11.2Ω/km	.244	6.20	78	66%	19.7	64.6	1	.6	2.0
		CM	U-500	U-152.4	20.0	9.1											10	2.1	6.9
		CEC:	500	152.4	20.0	9.1											50	5.0	16.4
		CM	U-1000	U-304.8	39.0	17.7											100	7.5	24.6
			1000	304.8	40.0	18.2											200	11.0	36.1
																	400	16.0	52.5
												For Plenum version of 9272, see 89272. CPE jacket optional.							
Plenum • FEP Insulation • Blue FEP Jacket (Color Code: Clear, Blue)																			
200°C	**89272**	NEC:	500†	152.4	19.0	8.6	20 AWG (7x28) .037″ TC 9.5Ω/M′ 31.2Ω/km	.148	3.76	TC Braid 93% Shield Coverage 3.9Ω/M′ 12.8Ω/km	.198	5.03	78	69.5%	18.4	60.4	1	.6	2.0
		CMP	1000†	304.8	39.0	17.7											10	2.1	6.9
		CEC:															50	5.0	16.4
		CMP FT6															100	7.5	24.6
																	200	11.0	36.1
																	400	16.0	52.5
																			
78 Ohm • 20 AWG Stranded (7x28) .038″ Tinned Copper • Beldfoil® + 55% Tinned Copper Braid Shield (100% Shield Coverage)																			
Polyethylene Insulation • Blue PVC Jacket (Color Code: Clear, Blue)																			
UL AWM Style 2464 (300V 80°C)	**9463**	NEC:	100	30.5	4.6	2.1	20 AWG (7x28) .038″ TC 9.5Ω/M′ 31.0Ω/km	.154	3.91	Beldfoil + 55% TC Braid 4.1Ω/M′ 13.4Ω/km	.238	6.05	78	66%	19.7	64.6	1	.6	2.0
		CM CL2	U-500	U-152.4	18.5	8.4											10	2.1	6.9
		CEC:	500	152.4	18.5	8.4											50	3.6	11.8
		CM	U-1000	U-304.8	37.0	16.8											100	7.5	24.6
			1000▲	304.8	37.0	16.8											200	11.0	36.1
			6000▲	1828.7	222.0	100.9											400	16.0	52.5
			10000◆	3048.0	370.0	168.2													
												CPE jacket optional.							
P-MSHA SC-182/6* Allen Bradley P/N 1770-CD ▲1000 ft. and 6000 ft. put-ups also available in Brown, Orange and Violet. ◆10,000 ft. put-up available in Brown, Orange and Violet only.																			
95 Ohm • 18 AWG Stranded (7x26) .046″ Bare Copper** • Two Tinned Copper Braids (95% Shield Coverage)																			
Polyethylene Insulation • Black Non-contaminating PVC Jacket (Color Code: Clear, Blue)																			
80°C VW-1	**9250**		500	152.4	64.5	29.3	18 AWG (7x26) .046″ BC 6.6Ω/M′ 21.5Ω/km	.285	7.24	(2) TC Braids 95% Shield Coverage .9Ω/M′ 3.0Ω/km	.420	10.67	95	66%	16.0	52.5	1	.3	1.0
			1000	304.8	128.0	58.2											10	.9	3.0
																	20	1.3	4.3
																	50	2.1	6.9
																	100	3.0	9.8
																	400	6.3	20.7
												CPE jacket optional.							
RG-22B/U Type **1 conductor has tinned center strand.																			
100 Ohm • 20 AWG Stranded (7x28) .037″ One Tinned/One Bare Copper • Duofoil® + 95% Tinned Copper Braid Shield																			
Polyethylene Insulation • Black High-density Polyethylene Jacket																			
Direct Burial 80°C	**9815**		500	152.4	33.5	15.2	20 AWG (7x28) .037″ (1) TC, (1) BC 9.5Ω/M′ 31.0Ω/km	.236	5.99	TC Braid 95% Shield Coverage 2.0Ω/M′ 6.6Ω/km	.330	8.38	100	66%	14.5	47.6	1	.4	1.3
			1000	304.8	69.0	31.4											10	1.1	3.6
			2000	609.6	134.0	60.9											50	2.5	8.2
																	100	4.1	13.5
																	200	6.4	21.0
																	400	10.2	33.5
																			

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

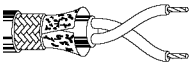
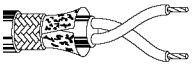
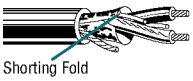
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

*Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification.
†Spools may contain more than one piece. Length may vary ±10% from length shown.

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Computer and Instrumentation Cable

100 Ohm, 124 Ohm and 150 Ohm Twinax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
100 Ohm • 20 AWG Stranded (7x28) .037″ One Tinned/One Bare Copper • Duofoil® + 86% TC Braid Shield (100% Shield Coverage)																			
Polyethylene Insulation • Black PVC Jacket																			
75°C	**9207**	NEC: CM CL2	100	30.5	7.1	3.2	20 AWG	.236	5.99	Duofoil	.330	8.38	100	66%	14.5	47.6	1	.3	1.0
		CEC: CM	U-500	U-152.4	34.0	15.5	(7x28)			+86%							10	1.2	3.9
			500	152.4	33.5	15.2	.037″			TC Braid							50	2.8	9.2
			1000	304.8	68.0	30.9	(1) TC,			2.5Ω/M′							100	4.1	13.5
			1640	500.0	111.5	50.7	(1) BC			8.2Ω/km							200	6.4	21.0
			2000	609.6	136.0	61.8	9.5Ω/M′										400	10.2	33.5
			3280	1000.0	219.8	99.9	31.0Ω/km												
IBM P/N 7362211			5000	1524.0	350.0	159.1													
Plenum • FEP Insulation • Black FEP Jacket																			
200°C	**89207**	NEC: CMP	100	30.5	6.7	3.0	20 AWG	.201	5.11	Duofoil	.259	6.58	100	69.5%	14.0	46.0	1	.3	1.0
		CEC: CMP FT6	500 †	152.4	28.0	12.7	(7x28)			+85%							10	1.2	3.9
			1000 †	304.8	55.0	25.0	.037″			TC Braid							50	2.8	9.2
							(1) TC, (1) BC			2.5Ω/M′							100	4.1	13.5
							9.5Ω/M′			8.2Ω/km							200	6.4	21.0
							31.2Ω/km										300	8.4	27.6
																	400	10.2	33.5
124 Ohm • 25 AWG Stranded (7x33) .021″ Tinned Copper • Beldfoil® with Stranded TC Drain Wire (100% Shield Coverage)																			
Polyethylene Insulation • Blue PVC Jacket (Color Code: Clear, Blue)																			
UL AWM	**9271**	NEC: CM	100	30.5	3.7	1.7	25 AWG	.170	4.32	Beldfoil	.240	6.10	124	66%	12.2	40.0	1	.6	2.0
Style 2092			U-500	U-152.4	14.0	6.4	(7x33)			12.0Ω/M′							10	1.7	5.6
(300V 60°C)		CEC: CM	500	152.4	14.0	6.4	.021″			39.4Ω/km							50	3.6	11.8
			U-1000	U-304.8	27.0	12.3	TC										100	5.0	16.4
			1000	304.8	28.0	12.7	31.8Ω/M′										200	6.9	22.6
							104.3Ω/km										400	9.6	31.5
Shorting Fold																			
124 Ohm • 16 AWG Solid .051″ Bare Copper • Duofoil + 90% Tinned Copper Braid Shield (100% Shield Coverage)																			
Foam Polyethylene Insulation • Black PVC Jacket (Color Code: Clear, Blue)																			
UL AWM	**9860**	NEC: CMX	500	152.4	52.0	23.6	16 AWG	.322	8.18	Duofoil	.440	11.18	124	78%	10.9	35.8	1	.2	.6
Style 2448			1000	304.8	103.0	46.8	(solid)			+ 90%							10	.7	2.3
(30V 60°C)		CEC: CMX	2000	609.6	202.0	91.8	.051″			TC Braid							50	1.8	5.9
							BC			1.3Ω/M′							100	2.9	9.5
							4.2Ω/M′			4.3Ω/km							200	4.1	13.5
							13.8Ω/km										400	6.2	20.3
150 Ohm • 22 AWG Stranded (19x34) .031″ Tinned Copper • Duofoil with Stranded TC Drain Wire (100% Shield Coverage)																			
Datalene® Insulation • Black PVC Jacket (Color Code: Black, Yellow)																			
UL AWM	**9182**	NEC: CMX	U-500	U-152.4	23.0	10.5	22 AWG	.275	6.98	Duofoil	.345	8.76	150	78%	8.8	28.9	1	.4	1.3
Style 2668		CL2X	500	152.4	23.5	10.7	(19x34)			6.3Ω/M′							10	1.2	3.9
(30V 60°C)		CEC: CMX	1000	304.8	45.0	20.5	.031″			20.7Ω/km							50	2.7	8.7
VW-1							TC										100	4.3	14.1
							14.0Ω/M′										200	6.2	20.3
							45.9Ω/km										400	8.8	28.9
Shorting Fold																			
Plenum • Foam FEP Insulation • Black FEP Jacket (Color Code: Black and Yellow)																			
	89182	NEC: CMP	100	30.5	6.4	2.9	22 AWG	.278	7.06	Duofoil	.307	7.80	150	78%	8.8	28.9	1	.4	1.3
		CL2P	500 ††	152.4	28.0	12.7	(19x34)			6.3Ω/M′							10	1.2	3.9
		CEC: CMP FT6	1000 ††	304.8	53.0	24.1	.031″			20.7Ω/km							50	2.7	8.7
							TC										100	4.3	14.1
							14.0Ω/M′										200	6.2	20.3
							45.9Ω/km										400	8.8	28.9

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

† Spools may contain more than one piece. Length may vary ±10% from length shown.
†† Spools are one piece, but length may vary ±10% from length shown.

For Plenum versions of 9207, see 89207.
CPE jacket optional.

CPE jacket optional.

CPE jacket optional.

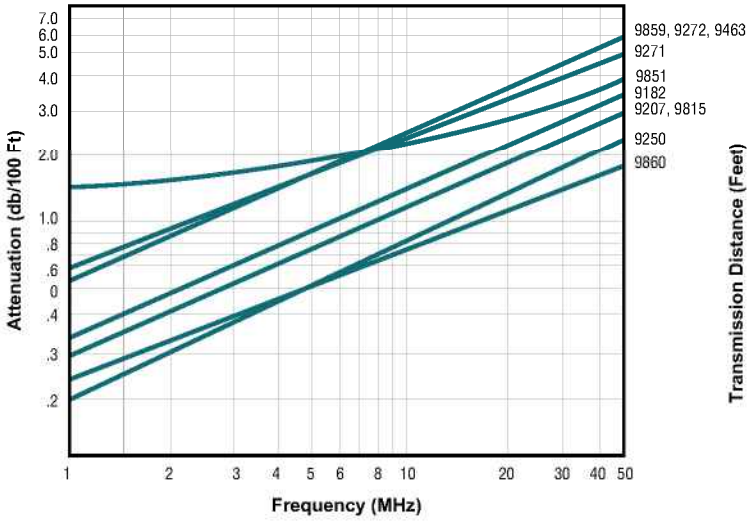
For Plenum version of 9182, see 89182.
Dual version: YR41609.
CPE jacket optional.

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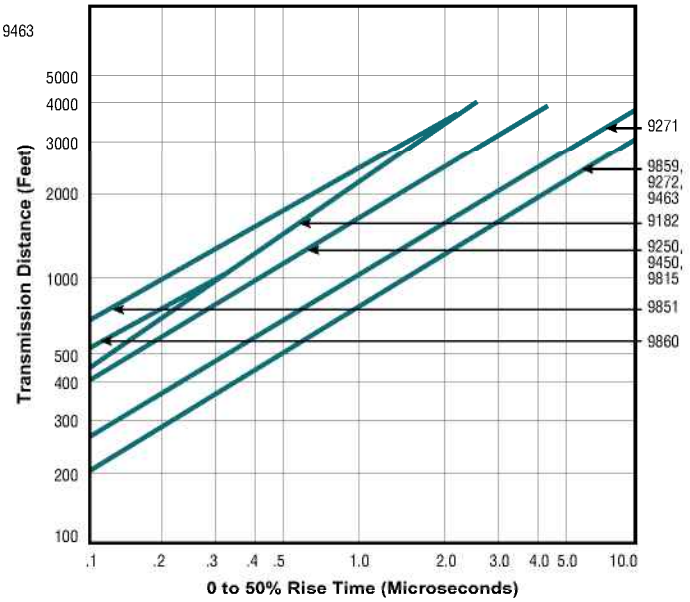
Computer and Instrumentation Cable

Electrical Characteristics — Twinax

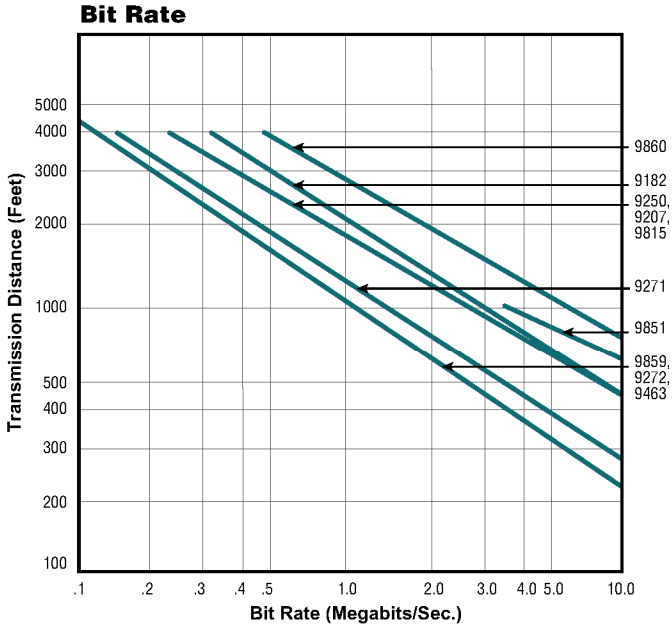
Attenuation



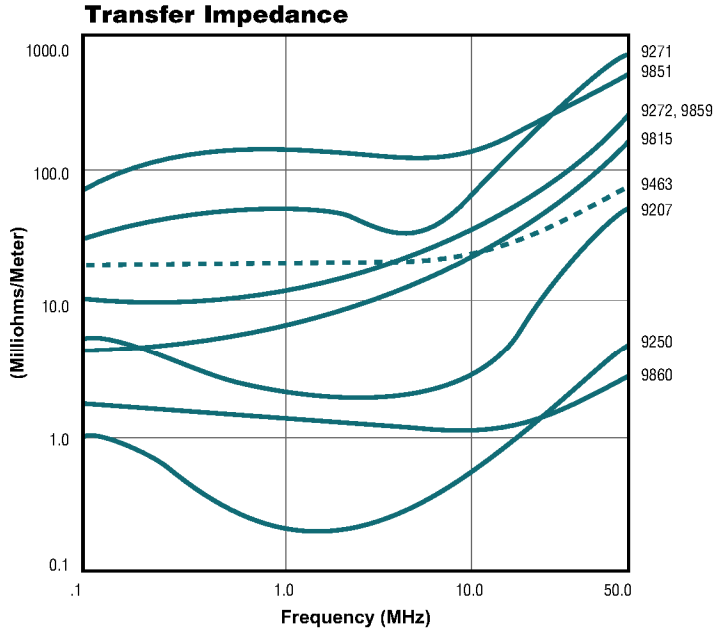
Rise Time



Bit Rate



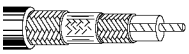
Transfer Impedance



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Computer and Instrumentation Cable

50 Ohm Triax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m
RG-58A/U Type • 20 AWG Stranded (7x28) .037″ Tinned Copper • Two Tinned Copper Braids (96% Shield Coverage)																			
Polyethylene Insulation • Yellow PVC Jacket (Polyethylene Insulation between Braids)																			
75°C	**9222**	100	30.5	5.0	2.3	20 AWG	.114	2.90	(2) TC Braids	.240	6.10	50	66%	30.8	101.0	1	.5	1.6
		U-500	U-152.4	18.5	8.4	(7x28)			96% Shield							10	1.5	4.9
		500	152.4	18.5	8.4	.037″			Coverage							50	3.3	10.8
						TC			Inner:							100	4.9	16.1
						9.5Ω/M′			4.7Ω/M′							200	7.2	23.6
						31.0Ω/km			15.5Ω/km							400	12.0	39.4
									Outer:							700	18.0	57.1
									4.3Ω/M′							900	22.0	72.2
									14.1Ω/km							1000	24.0	78.7
RG-8/U Type • 11 AWG Stranded (7x19) .108″ Bare Copper • Two Bare Copper Braids (96% Shield Coverage)																			
Foam Polyethylene Insulation • Black Polyethylene Jacket (Polyethylene Insulation between Braids)																			
80°C	**9888**	500	152.4	72.5	33.0	11 AWG	.285	7.24	(2) BC	.480	12.19	50	78%	26.0	85.3	1	.1	.5
		1000	304.8	140.0	63.6	(7x19)			96% Shield							10	.5	1.7
						.108″			Coverage							50	1.2	3.9
						BC			Inner:							100	1.8	5.9
						1.2Ω/M′			1.2Ω/M′							200	2.7	8.9
						3.9Ω/km			3.9Ω/km							400	4.2	13.8
									Outer:							700	5.8	19.0
									2.1Ω/M′							900	6.7	22.0
									4.9Ω/km							1000	7.1	23.3

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

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Amateur Radio and CB Coaxial Cable Assemblies

RG-8/U Type • 50 Ohm

Description	Part No.	Standard Lengths		Standard Unit Weight		Nominal OD	
		Ft.	m	Lbs.	kg	Inch	mm
RG-8/U Type • 11 AWG Stranded (7x19) Bare Copper • Military-Type Braid Coverage • Fitted with PL-259 Connectors on Both Ends							
Foam Polyethylene Insulation • Black PVC Jacket							
	**9354**	50	15.24	5.5	2.5	.403	10.24
	9355	75	22.86	8.3	3.8	.403	10.24
	9356	100	30.48	10.9	5.0	.403	10.24

Coax is 8214. See page 6.65 for product details.

These cables are designed to be used with two-way systems, such as Citizens Band (CB), Commercial, Amateur, and Marine equipment applications. They provide a positive link between the transmitter and antenna or between the receiver and antenna.

They are capable of handling higher power requirements with lower signal losses. Packaged individually.

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Technical Information

Attenuation vs. Frequency for Belden® Broadband Coaxial Products

Frequency Point (MHz)	Series 59				Series 6				Series 11			
	Nominal dB/100 Ft.	Nominal dB/100m	Maximum dB/100 Ft.	Maximum dB/100m	Nominal dB/100 Ft.	Nominal dB/100m	Maximum dB/100 Ft.	Maximum dB/100m	Nominal dB/100 Ft.	Nominal dB/100m	Maximum dB/100 Ft.	Maximum dB/100m
5	.75	2.46	.89	2.92	.54	1.77	.67	2.20	.34	1.12	.38	1.25
55	1.84	6.04	1.95	6.40	1.45	4.76	1.60	5.25	.91	2.99	.97	3.18
211	3.36	11.02	3.59	11.78	2.64	8.66	2.87	9.42	1.68	5.51	1.81	5.94
216	3.41	11.19	3.69	12.11	2.67	8.76	2.95	9.68	1.70	5.58	1.84	6.04
240	3.57	11.71	3.87	12.70	2.80	9.19	3.09	10.14	1.78	5.84	1.94	6.36
270	3.79	12.43	4.05	13.29	2.97	9.74	3.24	10.63	1.89	6.20	2.05	6.73
300	3.99	13.09	4.27	14.01	3.13	10.27	3.43	11.25	1.99	6.53	2.15	7.05
325	4.16	13.65	4.50	14.76	3.26	10.70	3.59	11.78	2.07	6.79	2.24	7.35
350	4.33	14.21	4.64	15.22	3.39	11.12	3.72	12.20	2.15	7.05	2.32	7.61
375	4.49	14.73	4.84	15.88	3.52	11.55	3.87	12.70	2.22	7.28	2.40	7.87
400	4.66	15.29	4.88	16.01	3.65	11.97	4.00	13.12	2.30	7.55	2.47	8.10
450	4.96	16.27	5.30	17.39	3.88	12.73	4.26	13.98	2.45	8.04	2.65	8.69
500	5.22	17.13	5.50	18.04	4.09	13.42	4.48	14.70	2.59	8.50	2.85	9.35
550	5.48	17.98	5.90	19.36	4.30	14.11	4.71	15.45	2.73	8.96	2.94	9.65
600	5.75	18.86	6.18	20.28	4.51	14.80	4.94	16.21	2.85	9.35	3.08	10.10
650	6.03	19.78	6.52	21.39	4.72	15.49	5.18	16.99	2.98	9.78	3.22	10.56
700	6.28	20.60	6.83	22.41	4.92	16.14	5.45	17.88	3.10	10.17	3.37	11.06
750	6.51	21.36	6.96	22.83	5.11	16.76	5.59	18.34	3.21	10.53	3.50	11.48
800	6.71	22.01	7.30	23.95	5.27	17.29	5.75	18.86	3.32	10.89	3.65	11.97
862	6.97	22.87	7.50	24.61	5.47	17.95	5.98	19.62	3.46	11.35	3.82	12.53
870	7.00	22.97	7.54	24.74	5.49	18.01	6.00	19.68	3.48	11.42	3.84	12.60
900	7.14	23.42	7.79	25.56	5.60	18.37	6.11	20.05	3.55	11.65	3.96	12.99
950	7.39	24.25	7.90	25.92	5.79	19.00	6.35	20.83	3.66	12.01	4.10	13.45
1000	7.68	25.20	8.09	26.54	5.99	19.65	6.54	21.46	3.77	12.37	4.23	13.88

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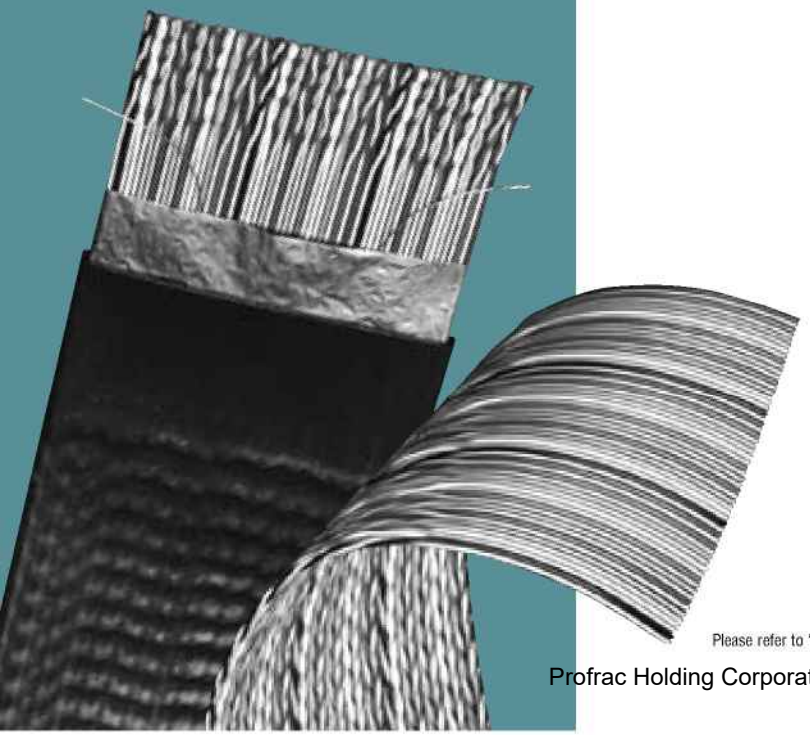
Belden



7 Flat Cable

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Please refer to "Terms of Use of Master Catalog" on page 16.30.

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Introduction

Belden® flat cables are designed using the same expertise and design sophistication that made Belden a leader in round cable. Whatever your application, Belden is committed to offering quality flat cable products at a competitive price. Our extensive line includes Gray Ribbon, Rainbow, Vari-Twist® and Shielded and Jacketed Flat Cable options. Many of these are available off the shelf from local distributors. If you have a new or unusual application or you cannot find a flat cable in this catalog section that meets your technical requirements, contact Technical Support at 1-800-BELDEN-1.

Benefits of Flat Cable

- **Mass Termination** Terminating flat cable is done with the entire group of conductors as a unit, which is more efficient than working with individual conductors at one time.
- **Reliability** The simplicity of flat cable with its parallel conductor geometry eliminates many of the common sources of wiring error and malfunction. Registration of the conductors is one-to-one with the terminating connector or board so that proper contact assignment is almost automatic.
- **Space and Weight Reduction** The use of flat cable often eliminates much of the conventional wire weight and bulk. Such things as redundant insulating materials, fillers and tapes are not required. In addition, the composite flat cable construction is so mechanically strong that it is not necessary to have large conductors for strength. The copper cross-section can thus be reduced to what's required to carry the current load or to satisfy voltage drop requirements.
- **Flexibility** Flat cable is extremely flexible when bent in the plane of its thin cross-section. This flexibility has been utilized in applications where continuous or high flexing is necessary, e.g. drawers, doors, rotating arms, etc.
- **Greater Strength** Strength is enhanced by the fact that all conductors and insulation equally share tensile loads.
- **Consistent Electrical Characteristics** Because the conductor spacing is fixed and the geometry of the cable is constant, the electrical characteristics, such as impedance, capacitance, inductance, time delay, crosstalk and attenuation, are consistent.
- **Greater Current Carrying Capacity** Flat cables have greater surface-to-volume ratio than their round cable counterparts, consequently having higher efficiency in dissipating heat. This allows a higher current level for a given temperature rise and conductor cross-section.
- **Reduced Skewing Effects** Due to the conductors having the exact physical and electrical length, along with a continuous and consistent dielectric, time delays between signals within a given flat cable are minimized.
- **High-Density Interconnections** The cabling density achievable using flat cable is superior to that using conventional cable because of the high wire-to-cable cross-sectional density. Layers of flat cable are more effectively packed for higher conductor density than round cable.
- **Ease of Handling** Flat cable folds and bends readily, conforms to the mounting area, fastens easily with clamps, adhesive, or double-faced tape, and eliminates the installation and lacing difficulties associated with round wire cabling. Visible conductors in a fixed position within the dielectric simplify coding, inspection and circuit tracing.

Flat Cable Packaging

Packaging of flat cable is offered in one or more of the following configurations, as noted in the Physical Specifications table for each product:

100: 100′ put-up in a cardboard container. May contain more than one piece.

H100: A one-piece 100′ length, in a cardboard container.

H300: A one-piece 300′ length, in a cardboard container.

R300: A one-piece 300′ length put-up on a reel. It is designed for use by assemblers who use automated terminating equipment. An additional feature is the 9″ inner tail exposed through the flange. This enables users to terminate the cable end to a device, which is necessary for in-line testing.

Note: Material on this page obtained from and printed with the permission of the Institute for Interconnecting and Packaging Electronic Circuits (IPC).

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Gray Ribbon 9L300XX Series

.025″ Pitch, 30 AWG, PVC

Product Description

Belden's miniaturized .025″ pitch extruded gray ribbon cable provides higher signal density, greater design flexibility, and an alternative to the expensive Teflon® transmission cables. The cable is manufactured to precise tolerances which allows for mass-termination to standard .050″ contact IDC connectors while assuring consistent and reliable electrical characteristics. With the miniaturization of the interconnects, significant reduction in components can be achieved. The cable is constructed of stranded 30 AWG (7x38) tinned copper conductors. Insulation material consists of Gray PVC, with a Red polarity stripe for proper circuit alignment. Standard conductor counts are 26 and 50; other sizes are available upon request. The cable is UL approved and CSA certified, and passes the VW-1 Vertical Wire Flame Test.

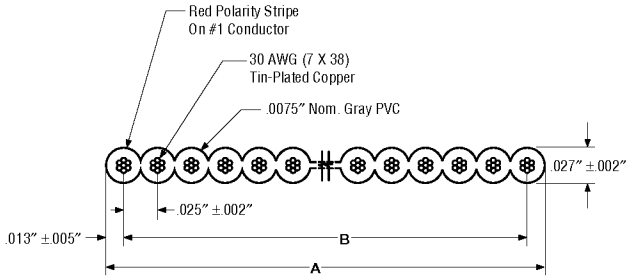
Color Code: Gray with Red polarity stripe.

Application: Internal interconnection or internal wiring of electronic equipment.

Part No.	No. of Cond.	Dimensions			
		Width "A"		Span "B"	
		Inch	mm	Inch	mm
9L30026	26	.650 ±.010	16.51 ±.25	.625 ±.007	15.88 ±.18
9L30050†	50	1.250 ±.011	31.75 ±.28	1.225 ±.009	31.12 ±.23

†Available in H100 packaging only.

Dimensions



Physical Specifications

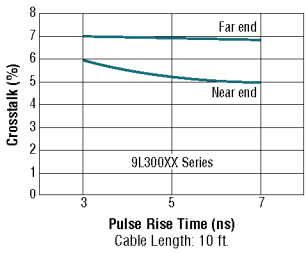
Conductor	30 AWG (7x38) Tinned Copper
Insulation	.0075″ Nom. Wall Gray PVC
Pitch	.025″ ±.002″
Temperature Rating	-40 to +105°C
Flammability Rating	UL: VW-1, CSA: FT1
UL Approval	File #E12683, Style 2678
CSA Approval	File #LL7874, CSA AWM I A 105°C 150V FT1
Packaging	H100, H300

Electrical Specifications

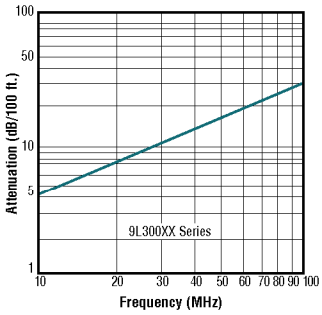
Voltage Rating	150V RMS
Current Rating	.5A
Conductor Resistance	108Ω/1000 ft.
Insulation Resistance	>1 x 10^{10}Ω • 10 ft. (3m)
Impedance*	70Ω
Capacitance* (@ 1 MHz)	24 pF/ft. (79 pF/m)
Inductance* (@ 1 MHz)	.14 µH/ft. (.46 µH/m)
Propagation Delay*	1.52 ns/ft. (4.96 ns/m)

*Test Configuration: G-S-G (ground-signal-ground).

Unbalanced Crosstalk



Attenuation



Teflon is a DuPont trademark.

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Gray Ribbon 2L280XX Series

1mm Pitch, 28 AWG, PVC

Product Description

Belden's 1mm (.03937″ pitch) extruded gray ribbon cable was designed for the disk drive market where the 2mm IDC connector is widely used. The cable provides improved space reduction, easy breakouts for circuit routing, and maintains the current carrying capacity required for these applications. In addition, the electrical performance meets those requirements specified by the SCSI-3 parallel interface document. The cable is constructed of stranded 28 AWG (7x36) tinned copper conductors. Insulation material consists of Gray PVC, with a Black polarity stripe for proper circuit alignment. Standard conductor counts are 26, 34, 40, 44 and 50; other sizes are available upon request. The cable is UL approved and CSA certified, and passes the VW-1 Vertical Wire Flame Test.

Color Code: Gray with Black polarity stripe.

Application: Internal interconnection or internal wiring of electronic equipment.

Physical Specifications

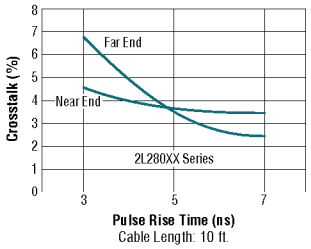
Conductor	28 AWG (7x36) Tinned Copper
Insulation	.010″ Nom. Wall Gray PVC
Pitch	1mm ± 0.51mm (.0394″ ± .002″)
Temperature Rating	-40 to +105°C
Flammability Rating	UL: VW-1; CSA: FT1
UL Approval	File #E12683, Style 2651
CSA Approval	File #LL7874, CSA AWM I A 105°C 300V FT1
Packaging	H100, R300

Electrical Specifications

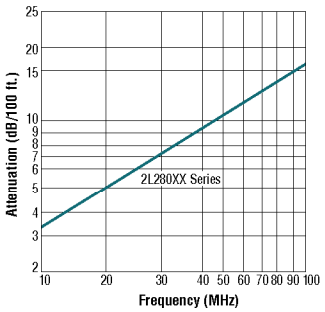
Voltage Rating	300V RMS
Current Rating	1A
Conductor Resistance	68Ω/1000 ft.
Insulation Resistance	>1 x 10^{10}Ω • 10 ft. (3m)
Impedance*	90Ω
Capacitance* (@ 1 MHz)	16.5 pF/ft. (54 pF/m)
Inductance* (@ 1 MHz)	.16 µH/ft. (.52 µH/m)
Propagation Delay*	1.47 ns/ft. (4.8 ns/m)

*Test Configuration: G-S-G (ground-signal-ground).

Unbalanced Crosstalk*



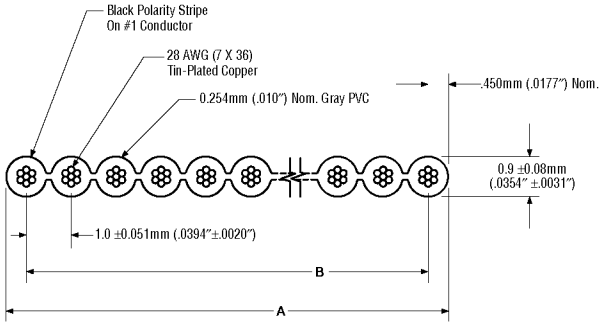
Attenuation*



Part No.	No. of Cond.	Dimensions			
		Width "A"		Span "B"	
		Inch	mm	Inch	mm
2L28026**	26	1.020 ±.008	25.9 ±.20	.984 ±.008	25.0 ±.20
2L28034**	34	1.335 ±.012	33.9 ±.30	1.299 ±.012	33.0 ±.30
2L28040**	40	1.571 ±.012	39.9 ±.30	1.535 ±.012	39.0 ±.30
2L28044**	44	1.728 ±.012	43.9 ±.30	1.693 ±.012	43.0 ±.30
2L28050	50	1.965 ±.012	49.9 ±.30	1.929 ±.012	49.0 ±.30

**Available in H100 packaging only.

Dimensions



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Gray Ribbon 9L280XX Series

.050″ Pitch, 28 AWG, PVC (available in MIL-C-49055/1)

Product Description

Belden's (9L280XX Series) .050″ pitch extruded gray ribbon cable was designed for general purpose electronic interconnect applications. The cable provides reliable mass-termination to standard .100″ contact IDC connectors, flexibility, consistent electricals and break-outs can be made easily with the tear feature design. The cable is constructed of stranded 28 AWG (7x36) tinned copper conductors. Insulation material consists of Gray PVC, with a Red polarity stripe for proper circuit alignment. Various conductor counts are standard; other sizes are available upon request. The cable is UL approved and CSA certified, and passes the VW-1 Vertical Wire Flame Test.

Color Code: Gray with Red polarity stripe (standard), Gray with Black polarity stripe (MIL-C-49055/1).

Application: Internal interconnection or internal wiring of electronic equipment.

Physical Specifications

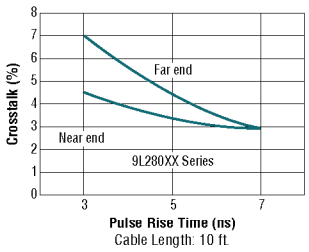
Conductor	28 AWG (7x36) Tinned Copper
Insulation	.010″ Nom. Wall Gray PVC
Pitch	.050″ ±.002″
Temperature Rating	-40 to +105°C
Flammability Rating	UL: VW-1; CSA: FT1
UL Approval	File #E12683, Style 2651
CSA Approval	File #LL7874, CSA AWM I A 105°C 300V FT1
Packaging	H100, H300, R300

Electrical Specifications

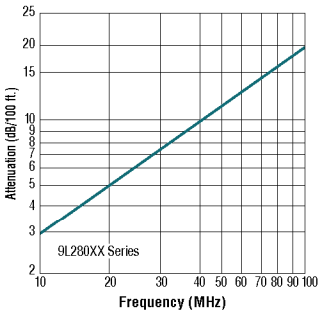
Voltage Rating	300V RMS
Current Rating	1A
Conductor Resistance	68Ω/1000 ft.
Insulation Resistance	>1 x 10^{10}Ω • 10 ft. (3m)
Impedance*	105Ω
Capacitance* (@ 1 MHz)	15 pF/ft. (49 pF/m)
Inductance* (@ 1 MHz)	.20 µH/ft. (.66 µH/m)
Propagation Delay*	1.40 ns/ft. (4.6 ns/m)

*Test Configuration: G-S-G (ground-signal-ground).

Unbalanced Crosstalk*



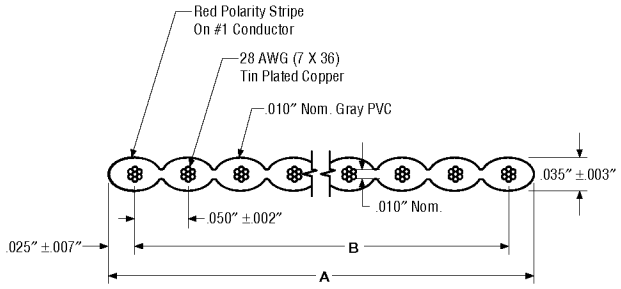
Attenuation*



Part No.		No. of Cond.	Dimensions			
			Width "A"		Span "B"	
Standard [UL & CSA]	MIL-C-49055/1 [QPL] (Designation)		Inch	mm	Inch	mm
9L28009	YP-3289 (M49055/1-01)	9	.45 ±.008	11.43 ±.20	.40 ±.008	10.16 ±.20
9L28010	YP-3290 (M49055/1-02)	10	.50 ±.008	12.70 ±.20	.45 ±.008	11.43 ±.20
9L28014†	YP-3291 (M49055/1-03)	14	.70 ±.008	17.78 ±.20	.65 ±.008	16.51 ±.20
9L28015**	YP-3292 (M49055/1-04)	15	.75 ±.008	19.05 ±.20	.70 ±.008	17.78 ±.20
9L28016	YP-3293 (M49055/1-05)	16	.80 ±.008	20.32 ±.20	.75 ±.008	19.05 ±.20
9L28020	YP-3294 (M49055/1-06)	20	1.00 ±.008	25.40 ±.20	.95 ±.008	24.13 ±.20
9L28024†	YP-3295 (M49055/1-07)	24	1.20 ±.008	30.48 ±.20	1.15 ±.008	29.21 ±.20
9L28025	YP-3296 (M49055/1-08)	25	1.25 ±.008	31.75 ±.20	1.20 ±.008	30.48 ±.20
9L28026	YP-3297 (M49055/1-09)	26	1.30 ±.008	33.02 ±.20	1.25 ±.008	31.75 ±.20
9L28034	YP-3298 (M49055/1-10)	34	1.70 ±.008	43.18 ±.20	1.65 ±.008	41.91 ±.20
9L28036**	— —	36	1.80 ±.012	45.72 ±.30	1.75 ±.012	44.45 ±.30
9L28037**	YP-3299 (M49055/1-11)	37	1.85 ±.012	46.99 ±.30	1.80 ±.012	45.72 ±.30
9L28040	YP-3300 (M49055/1-12)	40	2.00 ±.012	50.80 ±.30	1.95 ±.012	49.53 ±.30
9L28050	YP-3301 (M49055/1-13)	50	2.50 ±.012	63.50 ±.30	2.45 ±0.12	62.23 ±.30
9L28060	YP-3302 (M49055/1-14)	60	3.00 ±.012	76.20 ±.30	2.95 ±.012	74.93 ±.30
9L28064	YP-3303 (M49055/1-15)	64	3.20 ±.012	81.28 ±.30	3.15 ±.012	80.01 ±.30

**Available in H100 packaging only.
†Not available in R300 packaging.

Dimensions



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Gray Ribbon 9L260XX Series

.050″ Pitch, 26 AWG, PVC (available in MIL-C-49055/1)

Product Description

Belden's (9L260XX series) .050″ pitch extruded gray ribbon cable was designed for general purpose electronic interconnect applications where higher current carrying capacities are required. The design also conforms to the electrical performance specifications outlined by the SCSI-3 parallel interface document. As with the 9L280XX series, the cable provides reliable mass-termination to standard .100″ contact IDC connectors, flexibility, consistent electricals and breakouts can be made easily with the tear feature design. In addition, the overall cable thickness is only .038″ ± .002″ allowing mateability with all standard IDC connectors. The cable is constructed of stranded 26 AWG (7x34) tinned copper conductors. Insulation material consists of Gray PVC, with a Blue polarity stripe for proper circuit alignment. Various conductor counts are standard; other sizes are available upon request. The cable is UL approved and CSA certified, and passes the VW-1 Vertical Wire Flame Test.

Color Code: Gray with Blue polarity stripe (standard), Gray with Black polarity stripe (MIL-C-49055/1).

Application: Internal interconnection or internal wiring of electronic equipment.

Part No.		No. of Cond.	Dimensions			
Standard [UL & CSA]	MIL-C-49055/1 [QPL] (Designation)		Width "A"		Span "B"	
			Inch	mm	Inch	mm
9L26010	YP-3305 (M49055/1-17)	10	.50 ±.008	12.70 ±.20	.45 ±.008	11.43 ±.20
9L26014††	YP-3306 (M49055/1-18)	14	.70 ±.008	17.78 ±.20	.65 ±.008	16.51 ±.20
9L26016**	YP-3308 (M49055/1-20)	16	.80 ±.008	20.32 ±.20	.75 ±.008	19.05 ±.20
9L26020††	YP-3309 (M49055/1-21)	20	1.0 ±.008	25.40 ±.20	.95 ±.008	24.13 ±.20
9L26025**	YP-3311 (M49055/1-23)	25	1.25 ±.008	31.75 ±.20	1.20 ±.008	30.48 ±.20
9L26026††	YP-3312 (M49055/1-24)	26	1.30 ±.008	33.02 ±.20	1.25 ±.008	31.75 ±.20
9L26034**	YP-3313 (M49055/1-25)	34	1.70 ±.008	43.18 ±.20	1.65 ±.008	41.91 ±.20
9L26040†	YP-3315 (M49055/1-27)	40	2.00 ±.012	50.80 ±.30	1.95 ±.012	49.53 ±.30
9L26044**	—	44	2.20 ±.012	55.88 ±.30	2.15 ±.012	54.61 ±.30
9L26068**	—	68	3.40 ±.012	86.36 ±.30	3.35 ±.012	85.09 ±.30

**Available in H100 packaging only.
†Not available in H300 packaging.
††Not available in R300 packaging.

Physical Specifications

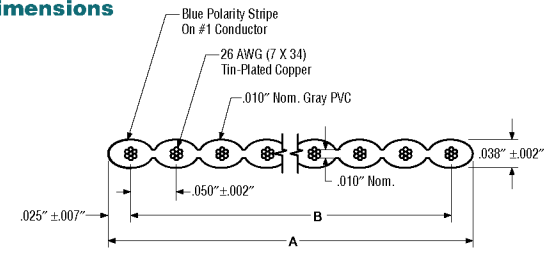
Conductor	26 AWG (7x34) Tinned Copper
Insulation	.010″ Nom. Wall Gray PVC
Pitch	.050″ ± .002″
Temperature Rating	-40 to +105°C
Flammability Rating	UL: VW-1; CSA: FT1
UL Approval	File #E12683, Style 2651
CSA Approval	File #LL7874, CSA AWM I A 105°C 300V FT1
Packaging	H100, H300, R300

Electrical Specifications

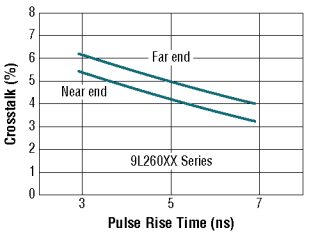
Voltage Rating	300V RMS
Current Rating	1.5A
Conductor Resistance	43Ω/1000 ft.
Insulation Resistance	>1 x 10^{10}Ω • 10 ft. (3m)
Impedance*	90Ω
Capacitance* (@ 1 MHz)	18 pF/ft. (55 µH/m)
Inductance* (@ 1 MHz)	.15 µH/ft. (.49 µH/m)
Propagation Delay*	1.48 ns/ft. (4.85 ns/m)

*Test Configuration: G-S-G (ground-signal-ground).

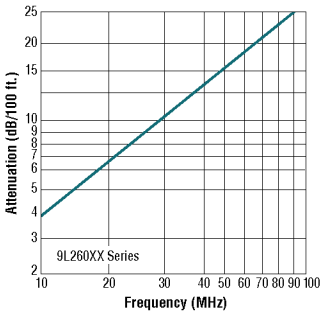
Dimensions



Unbalanced Crosstalk*



Attenuation*



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Rainbow 9R280XX Series

.050″ Pitch, 28 AWG, Color-coded PVC

Product Description

Belden's .050″ pitch, color-coded PVC flat cable allows for quick identification and circuit tracing, along with easy breakouts for circuit routing. Designed for mass-termination with standard IDC connectors. The cable is constructed of stranded 28 AWG (7x36) tinned copper conductors, color-coded PVC preinsulated singles — laminated to a single clear PVC substrate. Fourteen various conductor counts are standard; other sizes are available upon request. The cable is UL approved (CSA available upon request) and passes the VW-1 Vertical Wire Flame Test.

Color Code: Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White, Black. Sequence is repeated as necessary.

Application: Internal interconnection or internal wiring of electrical equipment.

Physical Specifications

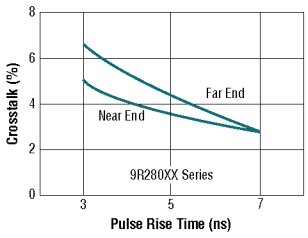
Conductor	28 AWG (7x36) Tinned Copper
Insulation	.010″ Nom. Wall Color-coded PVC
Substrate	.010″ Nom. Wall Clear PVC
Pitch	.050″ ±.005″
Temperature Rating	-20 to +105°C
Flammability Rating	UL: VW-1
UL Approval	File #E12663, Style 2884
CSA Approval	Available upon request
Packaging	100

Electrical Specifications

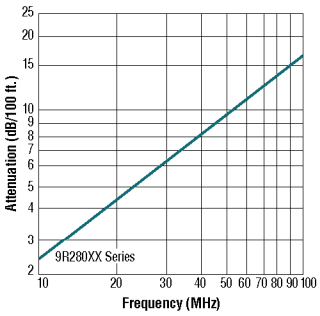
Voltage Rating	300V RMS
Current Rating	1A
Conductor Resistance	68Ω/1000 ft.
Insulation Resistance	>1 x 10^{10}Ω • 10 ft. (3m)
Impedance*	105Ω
Capacitance* (@ 1 MHz)	15 pF/ft. (49 pF/m)
Inductance* (@ 1 MHz)	.20 µH/ft. (.66 µH/m)
Propagation Delay*	1.4 ns/ft. (4.6 ns/m)

*Test Configuration: G-S-G (ground-signal-ground).

Unbalanced Crosstalk*

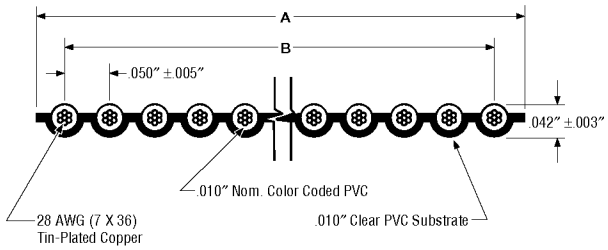


Attenuation*



Part No.	No. of Cond.	Dimensions			
		Width "A"		Span "B"	
		Inch	mm	Inch	mm
9R28010	10	.50	12.70	.45 ±.007	11.43 ±.18
9R28014	14	.70	17.78	.65 ±.007	16.51 ±.18
9R28016	16	.80	20.32	.75 ±.011	19.50 ±.28
9R28020	20	1.00	25.40	.95 ±.011	24.13 ±.28
9R28024	24	1.20	30.48	1.15 ±.011	29.21 ±.28
9R28025	25	1.25	31.75	1.20 ±.011	30.48 ±.28
9R28026	26	1.30	33.02	1.25 ±.011	31.75 ±.28
9R28034	34	1.70	43.18	1.65 ±.011	41.91 ±.28
9R28036	36	1.80	45.72	1.75 ±.015	44.45 ±.38
9R28037	37	1.85	46.99	1.80 ±.015	45.72 ±.38
9R28040	40	2.00	50.80	1.95 ±.015	49.53 ±.38
9R28050	50	2.50	63.50	2.45 ±.015	62.23 ±.38
9R28060	60	3.00	76.20	2.95 ±.015	74.93 ±.38
9R28064	64	3.20	81.28	3.15 ±.020	80.01 ±.51

Dimensions



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Rainbow 8R280XX Series

.050″ Pitch, 28 AWG, Color-coded FEP (High Temperature)

Product Description

Belden's .050″ pitch, color-coded FEP flat cable allows for high and low temperature, low out-gassing and chemical resistant applications, improved electricals, and provides quick identification and circuit tracing, along with easy breakouts for circuit routing. Designed for mass-termination with standard IDC connectors, the cable is constructed of stranded 28 AWG (7x36) silver-plated copper conductors, color-coded FEP pre-insulated singles — laminated to a single clear FEP substrate. Thirteen various conductor counts are standard; other sizes are available upon request. The cable is UL approved and passes the IEEE 383, 70,000 BTU Flame Test.

Color Code: Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White, Black. Sequence is repeated as necessary.

Application: Internal wiring of appliances or electronic equipment. May be additionally marked "For 300V Peak Electronic Use Only."

Physical Specifications

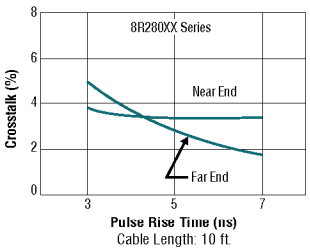
Conductor	28 AWG (7x36) Silver-plated Copper
Insulation	.010″ Nom. Wall Color-coded FEP
Substrate	.010″ Nom. Wall Clear FEP
Pitch	.050″ ±.005″
Temperature Rating	-70 to +150°C
Flammability Rating	UL: VW-1; IEEE: 383 70,000 BTU
UL Approval	File #E12683, Style 20468
Packaging	100

Electrical Specifications

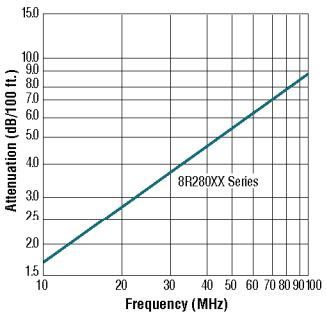
Voltage Rating	150V RMS
Current Rating	1A
Conductor Resistance	68Ω/1000 ft.
Insulation Resistance	>1 x 10^{11}Ω • 10 ft. (3m)
Impedance*	120Ω
Capacitance* (@ 1 MHz)	10.5 pF/ft. (34.4 pF/m)
Inductance* (@ 1 MHz)	.18 µH/ft. (.59 µH/m)
Propagation Delay*	1.3 ns/ft. (4.3 ns/m)

*Test Configuration: G-S-G (ground-signal-ground).

Unbalanced Crosstalk*

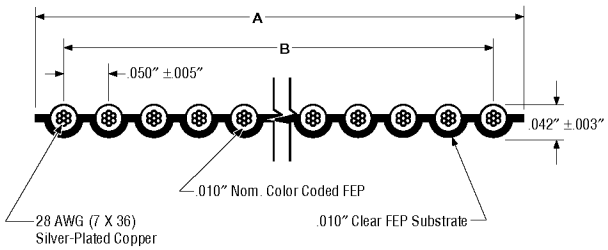


Attenuation*



Part No.	No. of Cond.	Dimensions			
		Width "A"		Span "B"	
		Inch	mm	Inch	mm
8R28010	10	.50	12.70	.45 ±.007	11.43 ±.18
8R28014	14	.70	17.78	.65 ±.007	16.51 ±.18
8R28016	16	.80	20.32	.75 ±.011	19.05 ±.28
8R28020	20	1.00	25.40	.95 ±.011	24.13 ±.28
8R28025	25	1.25	31.75	1.20 ±.011	30.48 ±.28
8R28026	26	1.30	33.02	1.25 ±.011	31.75 ±.28
8R28034	34	1.70	43.18	1.65 ±.011	41.91 ±.28
8R28036	36	1.80	45.72	1.75 ±.015	44.45 ±.38
8R28037	37	1.85	46.99	1.80 ±.015	45.72 ±.38
8R28040	40	2.00	50.80	1.95 ±.015	49.53 ±.38
8R28050	50	2.50	63.50	2.45 ±.015	62.23 ±.38
8R28060	60	3.00	76.20	2.95 ±.015	74.93 ±.38
8R28064	64	3.20	81.28	3.15 ±.020	80.01 ±.51

Dimensions



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Vari-Twist® 9V280XX Series

.050″ Pitch, 28 AWG, PVC

Product Description

Belden's PVC Vari-Twist 9V280XX series was designed to reduce crosstalk in the balanced mode by twisting the pairs, but can be mass-terminated in the programmed flat sections with any standard IDC connector. To further reduce crosstalk, each adjacent pair is twisted in the opposite direction. The standard twist length is 18 inches followed by a 2 inch flat section of .050″ spaced conductors. The cable consists of stranded 28 AWG (7x36) tinned copper, color-coded PVC preinsulated singles — laminated to a single clear PVC substrate. Eleven various conductor/pair counts are standard; other sizes are available upon request. The cable is UL approved (CSA available upon request) and passes the VW-1 Vertical Wire Flame Test.

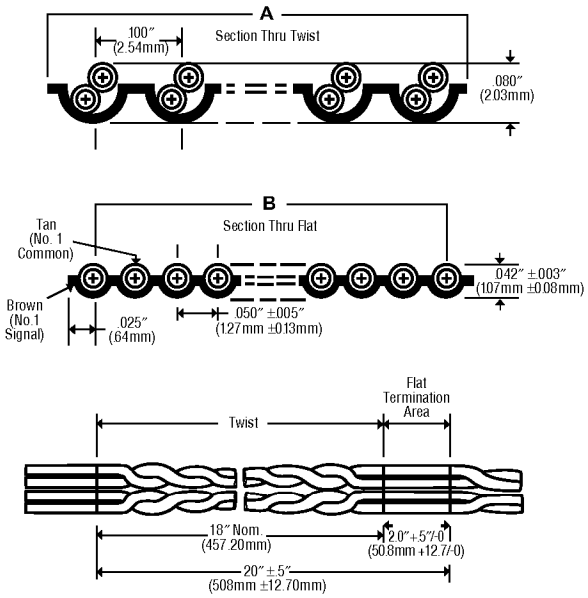
Upon your request, Vari-Twist can also be manufactured to your own specific requirements whether that be longer or shorter twist sections and/or flat sections.

Color Code: Each pair consists of a Tan conductor paired with a color-coded conductor. *Color Sequence Each Terminating Section:* Brown/Tan, Red/Tan, Orange/Tan, Yellow/Tan, Green/Tan, Blue/Tan, Violet/Tan, Gray/Tan, White/Tan, Black/Tan. Sequence is repeated as necessary.

Application: Internal interconnection or internal wiring of electronic equipment.

Part No.	No. of Pairs	Dimensions			
		Width "A"		Span "B"	
		Inch	mm	Inch	mm
9V28010	5	.50	12.70	.45 ±.012	11.43 ±.30
9V28014	7	.70	17.78	.65 ±.012	16.51 ±.30
9V28016	8	.80	20.32	.75 ±.012	19.05 ±.30
9V28020	10	1.00	25.40	.95 ±.015	24.13 ±.38
9V28026	13	1.30	33.02	1.25 ±.015	31.75 ±.38
9V28034	17	1.70	43.18	1.65 ±.015	41.91 ±.38
9V28036	18	1.80	45.72	1.75 ±.017	44.45 ±.43
9V28040	20	2.00	50.80	1.95 ±.017	49.53 ±.43
9V28050	25	2.50	63.50	2.45 ±.017	62.23 ±.43
9V28060	30	3.00	76.20	2.95 ±.020	74.93 ±.51
9V28064	32	3.20	81.28	3.15 ±.020	80.01 ±.51

Dimensions



NOTE: the transition area is included in the twisted section to assure a full 2 Inches of .050″ termination area.

Physical Specifications

Conductor	28 AWG (7x36) Tinned Copper
Insulation	.010″ Nom. Wall Color-coded PVC
Substrate	.010″ Nom. Wall Clear PVC
Pitch	
Twisted Pair Centers:	.100″ Nom.
Conductor Centers in Flat:	.050″ ±.005″
Pairs	1/2″ Nom. Lay Adjacent Pairs have Opposite Direction Lay
Construction	18″ of Twisted Pairs 2″ of Flat Section
Temperature Rating	-20 to +105°C
Flammability Rating	UL: VW-1
UL Approval	File #E12683, Style Dual Rated 2693 & 2697
CSA Approval	Available Upon Request
Packaging	H100

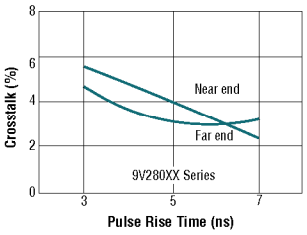
Electrical Specifications

Voltage Rating	300V RMS
Current Rating	1A
Conductor Resistance	68Ω/1000 ft.
Insulation Resistance	>1 x 10^{10}Ω • 10 ft. (3m)
Impedance (Balanced)	115Ω
Impedance* (Unbalanced)	100Ω
Capacitance* (@ 1 MHz)	16 pF/ft. (52 pF/m)
Inductance* (@ 1 MHz)	.24 µH/ft. (.79 µH/m)
Propagation Delay*	1.6 ns/ft. (5.25 ns/m)

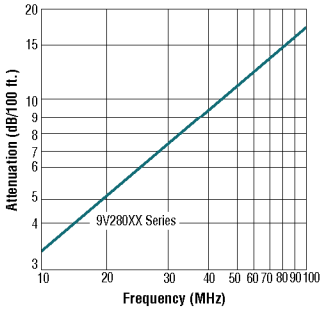
*Test Configuration: G-S (ground-signal), unbalanced.

Unbalanced Crosstalk*

(See page 7.14 for Balanced Crosstalk)



Attenuation*



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Vari-Twist® 8V280XX Series

.050″ Pitch, 28 AWG, FEP (High Temperature)

Product Description

Belden's FEP Vari-Twist 8V280XX series allows for high and low temperature, low out-gassing, and chemical resistant applications, improved electricals, and provides quick identification and circuit tracing. The cable was designed to reduce crosstalk in the balanced mode by twisting the pairs but can be mass-terminated in the programmed flat sections with any standard IDC connector. To further reduce crosstalk, each adjacent pair is twisted in the opposite direction. The standard twist length is 18 inches followed by a 2 inch flat section of .050″ spaced conductors. The cable consists of stranded 28 AWG (7x36) silver-plated copper, color-coded FEP preinsulated singles — laminated to a single clear FEP substrate. Eight various conductor/pair counts are standard; other sizes are available upon request. The cable is UL approved and passes the IEEE 383 70,000 BTU Flame Test.

Upon your request, Vari-Twist can also be manufactured to your own specific requirements whether that be longer or shorter twist sections and/or flat sections.

Color Code: Each pair consists of a Tan conductor paired with a color-coded conductor. *Color Sequence Each Terminating Section:* Brown/Tan, Red/Tan, Orange/Tan, Yellow/Tan, Green/Tan, Blue/Tan, Violet/Tan, Gray/Tan, White/Tan, Black/Tan. Sequence is repeated as necessary.

Application: Internal wiring of appliances or electronic equipment. May be additionally marked "For 300V Peak Electronic Use Only."

Physical Specifications

Conductor	28 AWG (7x36) Silver-plated Copper
Insulation	.010″ Nom. Wall Color-coded FEP
Substrate	.010″ Nom. Wall Clear FEP
Pitch	
Twisted Pair Centers:	.100″ Nom.
Conductor Centers in Flat:	.050″ ±.005″
Pairs	1/2″ Nom. Lay Adjacent Pairs have Opposite Direction Lay
Construction	18″ of Twisted Pairs 2″ of Flat Section
Temperature Rating	-70 to +150°C
Flammability Rating	UL: VW-1; IEEE 383 70,000 BTU
UL Approval	File #E12683, Style 20468
Packaging	100

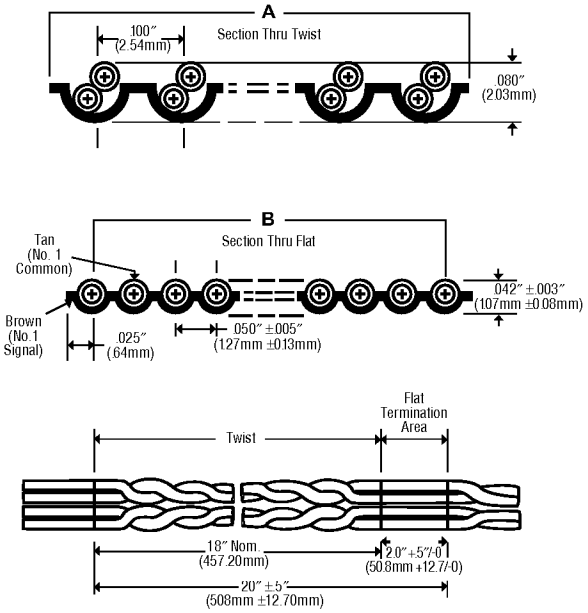
Electrical Specifications

Voltage Rating	150V RMS
Current Rating	1A
Conductor Resistance	68Ω/1000 ft.
Insulation Resistance	>1 x 10^{11}Ω • 10 ft. (3m)
Impedance (Balanced)	145Ω
Impedance* (Unbalanced)	130Ω
Capacitance* (@ 1 MHz)	10.6 pF/ft. (34.78 pF/m)
Inductance* (@ 1 MHz)	.22 µH/ft. (.72 µH/m)
Propagation Delay*	1.32 ns/ft. (4.33 ns/m)

*Test Configuration: G-S (ground-signal), unbalanced.

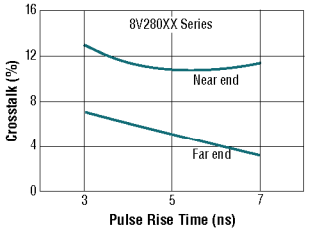
Part No.	No. of Pairs	Dimensions			
		Width "A"		Span "B"	
		Inch	mm	Inch	mm
8V28010	5	.50	12.70	.45 ±.012	11.43 ±.30
8V28014	7	.70	17.78	.65 ±.012	16.51 ±.30
8V28020	10	1.00	25.40	.95 ±.015	24.13 ±.38
8V28026	13	1.30	33.02	1.25 ±.015	31.75 ±.38
8V28034	17	1.70	43.18	1.65 ±.015	41.91 ±.38
8V28036	18	1.80	45.72	1.75 ±.017	44.45 ±.43
8V28040	20	2.00	50.80	1.95 ±.017	49.53 ±.43
8V28060	30	3.00	76.20	2.95 ±.020	74.93 ±.51

Dimensions

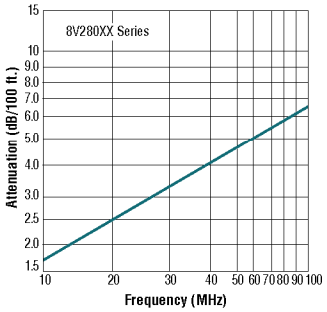


NOTE: the transition area is included in the twisted section to assure a full 2 Inches of .050″ termination area.

Unbalanced Crosstalk*



Attenuation*



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Shielded Jacketed 9L283XX Series

.050″ Pitch, 28 AWG, PVC

Product Description

Belden's shielded jacketed 9L283XX series was designed to help meet the FCC EMI/RFI requirements. In addition, the cable provides shielding from external electrical interference along with excellent crosstalk attenuation. The thin extruded jacket allows for greater flexibility, ease of termination, and reduced space requirements, while providing exterior protection from the environment. The core cable is Belden's 9L280XX PVC series allowing easy termination to any standard IDC connector. All cables are 100% shielded with a Duofoil® shield (aluminum/polyester/aluminum) and can be terminated with the two 28 AWG drain wires. Thirteen various conductor counts are standard; other sizes are available upon request. The cable is UL approved and CSA certified, and passes the VW-1 Vertical Wire Flame Test.

Color Code: Gray with Red polarity stripe.

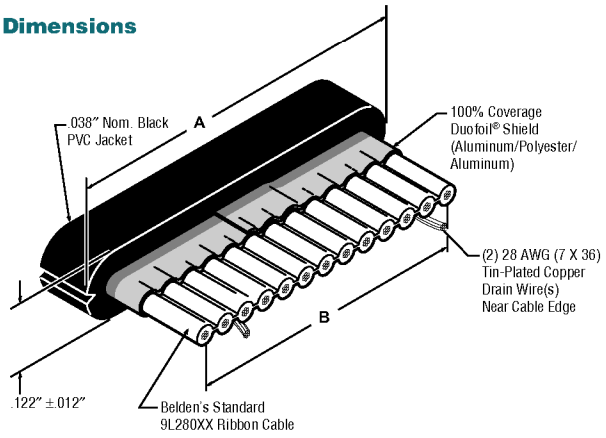
Application: External interconnection or internal wiring of electronic equipment.

Part No.	No. of Cond.	Dimensions			
		Width "A"		Span "B"	
		Inch	mm	Inch	mm
9L28309	9	.55	13.97	.40 ±.008	10.16 ±.20
9L28310	10	.60	15.24	.45 ±.008	11.43 ±.20
9L28315	15	.85	21.59	.70 ±.008	17.78 ±.20
9L28320	20	1.10	27.94	.95 ±.008	24.13 ±.20
9L28325	25	1.35	34.29	1.20 ±.008	30.48 ±.20
9L28326	26	1.40	35.56	1.25 ±.008	31.75 ±.20
9L28334	34	1.80	45.72	1.65 ±.008	41.91 ±.20
9L28336	36	1.90	48.26	1.75 ±.012	44.45 ±.30
9L28337	37	1.95	49.53	1.80 ±.012	45.72 ±.30
9L28340	40	2.10	53.34	1.95 ±.012	49.53 ±.30
9L28350	50	2.60	66.04	2.45 ±.012	62.23 ±.30
9L28360	60	3.10	78.74	2.95 ±.012	74.93 ±.30
9L28364	64	3.30	83.82	3.15 ±.012	80.01 ±.30

Physical Specifications

Conductor	28 AWG (7x36) Tinned Copper
Insulation	.010″ Nom. Wall Gray PVC
Pitch	.050″ ±.002″
Shielding	Duofoil Shield (Aluminum/Polyester/Aluminum)
Drain Wires	Two 28 AWG (7x36) Tinned Copper
Jacket	.038″ Nom. Wall Black PVC
Temperature Rating	-20 to +105°C
Flammability Rating	UL: VW-1; CSA: FT1
UL Approval	File #E12683, Style 20081
CSA Approval	File #LL7874, CSA AWM II A 105°C 300V FT1
Packaging	100

Dimensions

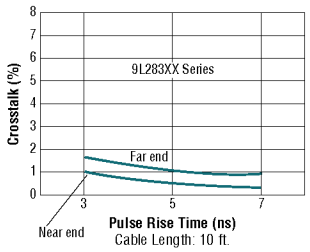


Electrical Specifications

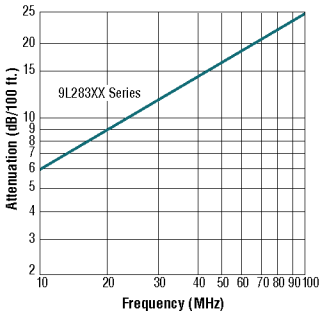
Voltage Rating	300V RMS
Current Rating	1A
Conductor Resistance	68Ω/1000 ft.
Insulation Resistance	>1 x 10^{10}Ω • 10 ft. (3m)
Impedance*	45Ω
Capacitance* (@ 1 MHz)	50 pF/ft. (164 pF/m)
Inductance* (@ 1 MHz)	.11 µH/ft. (.36 µH/m)
Propagation Delay*	1.70 ns/ft. (5.6 ns/m)

*Test Configuration: G-S-G (ground-signal-ground), with shield grounded.

Unbalanced Crosstalk*



Attenuation*



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Shielded Jacketed Vari-Twist® 9V283XX Series

.050″ Pitch, 28 AWG, PVC

Product Description

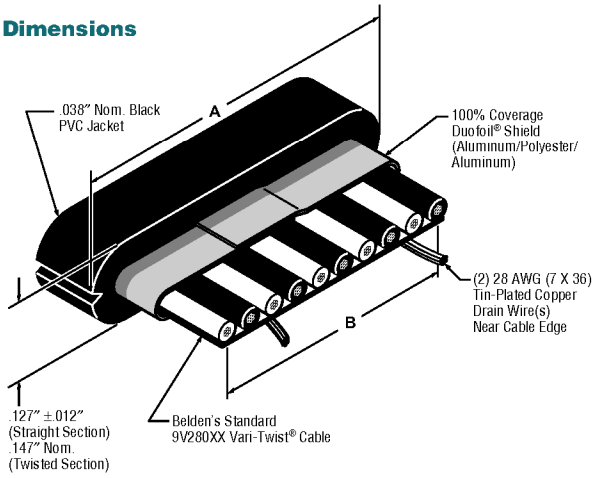
Belden's shielded jacketed 9V283XX series was designed to help meet the FCC EMI/RFI requirements. In addition, the cable provides shielding from external electrical interference along with excellent crosstalk attenuation. As with the 9V280XX series, the cable supplies the electrical benefits of twisted pairs, but can be mass-terminated in the programmed flat sections. The thin extruded jacket allows for greater flexibility, ease of termination, reduced space requirements, and identification of the flat sections while providing exterior protection from the environment. The core cable is Belden's 9V280XX PVC series to allow easy termination to any standard IDC connector. All cables are 100% shielded with a Duofoil® shield (aluminum/polyester/aluminum) and can be terminated with the two 28 AWG drain wires. Ten various conductor/pair counts are standard; other sizes are available upon request. The cable is UL approved (CSA available upon request) and passes the VW-1 Vertical Wire Flame Test.

Color Code: Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White, Black, with common Tan. Repeat.

Application: External interconnection or internal wiring of electronic equipment.

Part No.	No. of Pairs	Dimensions			
		Width "A"		Span "B"	
		Inch	mm	Inch	mm
9V28310	5	.60	15.24	.45 ±.012	11.43 ±.30
9V28314	7	.80	20.32	.65 ±.012	16.51 ±.30
9V28316	8	.90	22.86	.75 ±.012	19.05 ±.30
9V28320	10	1.10	27.94	.95 ±.015	24.13 ±.38
9V28326	13	1.40	35.56	1.25 ±.015	31.75 ±.38
9V28334	17	1.80	45.72	1.65 ±.015	41.91 ±.38
9V28336	18	1.90	48.26	1.75 ±.017	44.45 ±.43
9V28340	20	2.10	53.34	1.95 ±.017	49.53 ±.43
9V28350	25	2.60	66.04	2.45 ±.017	62.23 ±.43
9V28360	30	3.10	78.74	2.95 ±.020	74.93 ±.51

Dimensions



Physical Specifications

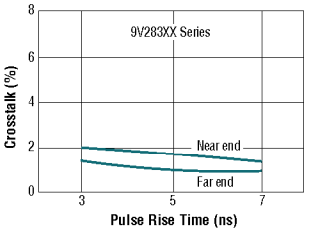
Conductor	28 AWG (7x36) Tinned Copper
Insulation	.010″ Nom. Wall Color-coded PVC
Substrate	.010″ Nom. Wall Clear PVC
Pitch	
Twisted Pair Centers:	.100″ Nom.
Conductor Centers in Flat:	.050″ ±.005″
Pairs	1/2″ Nom. Lay Adjacent Pairs have Opposite Direction Lay
Construction	18″ of Twisted Pairs 2″ of Flat Section
Shielding	Duofoil Shield (Aluminum/Polyester/Aluminum)
Drain Wires	Two 28 AWG (7x36) Tinned Copper
Jacket	.038″ Nom. Wall Black PVC
Temperature Rating	-20 to +105°C
Flammability Rating	UL: VW-1
UL Approval	File #E12683, Style 20081
CSA Approval	Available Upon Request
Packaging	100

Electrical Specifications

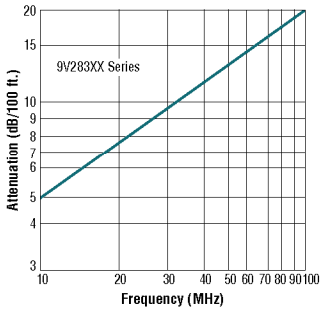
Voltage Rating	300V RMS
Current Rating	1A
Conductor Resistance	68Ω/1000 ft.
Insulation Resistance	>1 x 10^{10}Ω • 10 ft. (3m)
Impedance (Balanced)	100Ω
Impedance* (Unbalanced)	60Ω
Capacitance* (@ 1 MHz)	29 pF/ft. (95 pF/m)
Inductance* (@ 1 MHz)	.13 µH/ft. (.43 µH/m)
Propagation Delay*	1.6 ns/ft. (5.25 ns/m)

*Test Configuration: G-S-G (ground-signal-ground) with shield grounded.

Unbalanced Crosstalk*



Attenuation*



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Technical Information
Flat Cable Crosstalk Testing

The following is a description of two methods Belden uses to test its flat cable for crosstalk. Because these methods are different, the results may be different even when the same type of cable is used in each test. In short, the reader is offered two different tests to determine which cable type has the best crosstalk characteristics. At times, the results of these two test methods do not agree. Therefore, it is best for the reader to determine which method most closely approximates actual cable application and use its results for cable comparisons.

Unbalanced Crosstalk

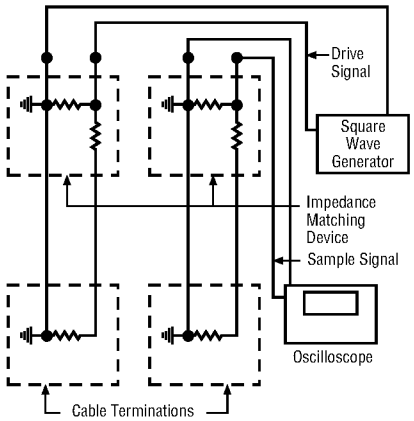
The unbalanced crosstalk of flat cables is measured as shown in Figure 1. One end of the cable drive is connected through an impedance matching device to a signal generator. The other end of the drive line is terminated in its characteristic impedance. The signal generator is capable of generating square wave pulses of varying leading edge rise times.

A test signal from the signal generator is inserted into the drive line. The cable is connected as follows: Ground-Drive line-Ground-Sample line-Ground or GSG mode. The sample line is also terminated at both ends in its characteristic impedance. The signal at each end of the sample line is measured. The signal at the signal generator end of the sample line is called the near end or reverse crosstalk. The signal at the opposite end of the sample line is called the far end or forward crosstalk. The actual crosstalk figures are given in % and are calculated as follows:

$$\% \text{ Crosstalk} = \frac{\text{Signal in sample line}}{\text{Signal in drive line}} \times 100\%$$

This type of crosstalk test is widely accepted in the flat cable industry. It is a very good method to determine the pulse crosstalk of all types of flat cables connected in the GSG mode. Crosstalk data for Belden flat cables tested using this method is given in the electrical data section of each cable.

Figure 1: Unbalanced Near End Crosstalk



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Technical Information

Flat Cable Crosstalk Testing

Balanced Crosstalk

Twisted pair flat cables are not designed to be connected in the GSG mode. These cables provide positive crosstalk reduction over non-twisted pair cables when used in the balanced mode. The balanced crosstalk of twisted pair flat cables is measured as shown in Figure 2. One end of the cable drive pair is connected through a balanced impedance matching transformer to the network analyzer input. The other end of the cable drive pair is terminated in its characteristic impedance. One end of the sample pair is terminated in its characteristic impedance. The other end of the cable sample pair is connected through a balanced impedance matching transformer to the network analyzer output. Because impedance matching transformers are used, none of the wires in the drive or sample line share a common ground. The signal in each line is balanced to ground. For example, one wire of the line will carry the inverse of the signal in the other wire in the same line at any given moment. The signal from the tracking generator is a range of frequencies, typically from 10 MHz to 100 MHz. The signal at each end of the sample line is measured in units of dB of isolation using a spectrum analyzer. The crosstalk results of two cables, one with parallel non-twisted conductors (9L Series) and the other with twisted pair conductors (9V Series) is shown in Figure 3.

In conclusion, it is not the intent of this section to recommend one type of crosstalk testing over another. Rather, it is intended to demonstrate there are different cable types for the different cable applications.

Please choose the crosstalk testing method which most closely approximates your application.

Figure 2: Balanced Near End Crosstalk

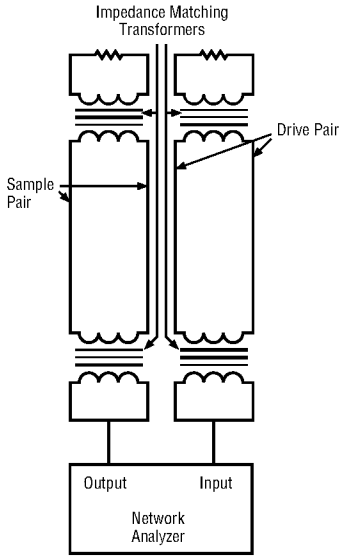
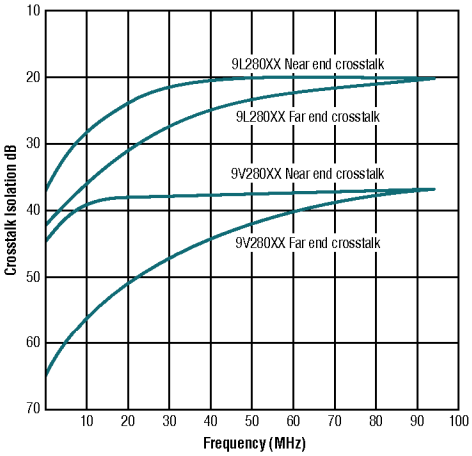


Figure 3: Balanced Crosstalk



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Belden



8 Molded Cable Assemblies

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Please refer to "Terms of Use of Master Catalog" on page 16.30.

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Introduction

Quality Construction

Belden® molded cable assemblies are designed for long life and reliable performance in a variety of input/output (I/O) and keyboard interface applications. Among the many features of the cable assemblies are these performance-enhancing attributes:

Shielding

Molded handles are 100% shielded (where used) to assist in FCC compliance while guarding against EMI and RFI. Shield continuity is maintained through the entire length of the assembly. The connector shield is connected to both the connector shell and the cable shield. This provides a low resistance ground path to optimize shield performance.

Handles

Straight or right angle handles are available for different connecting situations. Standard molding is PVC.

Connectors

Connectors consist of tin-plated shells with grounding indents on male connectors. Pins and sockets are constructed of brass or phosphor-bronze base with gold selectively plated over nickel.

Retention Systems

Belden offers several types of retention systems. They include:

- **Friction:** Pin/contact force holds connectors mated.
- **Screw:** Retaining screws mate with female screwlocks. Straight handle uses two screws; right angle handle uses one screw. Screws are #4-40 thread of plated steel with stainless steel clips.
- **Slide Lock:** Fingertip-operated slide mechanism holds mated connectors securely. Slide lock clip is stainless steel with plated screw, washer, and hex nut.
- **Spring Latch:** Stainless steel latch mates with latching blocks (special orders only).
- **Jack Screw:** Two captive jacks crews mate securely with female screwlocks. Zinc plated, #4-40 thread screws with large knurled heads for easy fingertip connect/disconnect.

Wiring Patterns

Standard wiring is point-to-point on most assemblies. Special wiring is available upon request.

Cables

For standard assemblies, Belden utilizes three standard cable configurations for tailoring a cable to a specific electrical environment. The cable configurations are as follows:

- **General Purpose Unshielded:** An economical assembly where electrical noise/interference is not a problem.
- **General Purpose Shielded:** An overall foil shielded assembly for use in situations where some noise/interference is experienced or anticipated.
- **Super Shield:** A foil plus braid shield provides extra protection in areas of moderate to heavy noise/interference.

Most of our molded cable assemblies are available from stock in a wide variety of handles, cables, colors, retention systems, and wiring patterns. Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find molded cables in this catalog section that meet your technical requirements, contact Technical Support at 1-800-BELDEN-1.

Molded Cable Assemblies Packaging

Unless otherwise indicated, molded cable assemblies are shipped in individual packages or plastic bags with printed part numbers, descriptions and an area to indicate the retail price.

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D-Subminiature Assembly

Shielded 9-Position and 15-Position

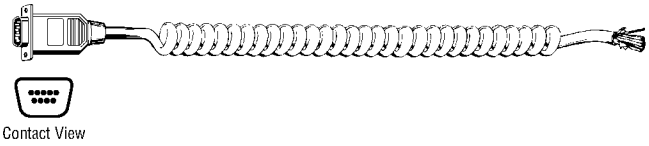
9-Position Shielded D-Sub • Male Straight Handle One End • For keyboard-to-CRT use where 9-pin retractile is desired

Foil Shield (General Purpose) • **Retractile** • **Polypropylene Insulation** • **Black Polyurethane Jacket**

Part No.	No. of Cond.	Length of Body: Retracted Inch	Retracted mm	Extended Inch	Extended mm	Length of Tail: Connector End Inch	Connector End mm	Other End Inch	Other End mm	Conductors AWG (stranding) [Dia. in mm]	Shield: Type	Shield: Drain Wire	Insulation Thickness: Inch	Insulation Thickness: mm	Jacket Thickness: Inch	Jacket Thickness: mm	Nominal OD: Inch	Nominal OD: mm
49910A	9	12	305	60	1524	6	152	18	457	26 (19x38) Tinned Copper [.51]	Overall Foil	20 (42x36)	.006	.15	.065	1.65	.250	6.35
49911A	9	18	457	90	2286	6	152	18	457									

Polyurethane jacket provides superior retractile properties at a reasonable cost.
Molded handles are 100% shielded to assist in FCC compliance and guard against EMI/RFI.
All connectors are tin-plated with detents for a positive ground connection.
The end opposite the connector is stripped. Jack screw retention on male connector.

30V 60°C, UL AWM Style 20197



Contact View

Part No.	No. of Cond.	Standard Lengths: Ft.	Standard Lengths: m	Gender	UL NEC/(C)UL CEC Type	Conductors AWG (stranding) [Dia. in mm]	Shield: Type	Shield: Drain Wire	Insulation Thickness: Inch	Insulation Thickness: mm	Jacket Thickness: Inch	Jacket Thickness: mm	Nominal OD: Inch	Nominal OD: mm

9-Position Shielded D-Sub • Straight Handle Both Ends • For RS-449 applications

Foil Shield (General Purpose) • **Semi-rigid PVC Insulation** • **Chrome PVC Jacket**

49900A	9	5	1.5	Male/Male	NEC: CM	24 (7x32) Tinned Copper [.61]	Overall Foil	24 (7x32)	.010	.25	.032	.81	.244	6.20
49901A	9	10	3.0	Male/Male										
49902A	9	25	7.6	Male/Male										
49905A	9	5	1.5	Male/Female										
49906A	9	10	3.0	Male/Female										
49907A	9	25	7.6	Male/Female										

Molded handles are 100% shielded to assist in FCC compliance and guard against EMI/RFI. All connectors tin-plated and male connectors have detents for positive ground connection. Wiring is point-to-point with the shield to connector shell. Jack screw retention on both connectors.

300V 80°C, UL AWM Style 2464



Contact View



Contact View

15-Position Shielded D-Sub • Straight Handle Both Ends • For any 15-pin application exposed to high-noise environment

Foil Shield (General Purpose) • **Semi-rigid PVC Insulation** • **Chrome PVC Jacket**

49720A	15	5	1.5	Male/Male	NEC: CM	24 (7x32) Tinned Copper [.61]	Overall Foil	24 (7x32)	.010	.25	.032	.81	.284	7.21
49721A	15	10	3.0	Male/Male										
49725A	15	5	1.5	Male/Female										
49726A	15	10	3.0	Male/Female										

Molded handles are 100% shielded to assist in FCC compliance and guard against EMI/RFI. All connectors tin-plated and male connectors have detents for positive ground connection. Wiring is point-to-point with the shield to connector shell. Jack screw retention on both connectors.

300V 80°C, UL AWM Style 2464



Contact View



Contact View

Foil plus Braid Shield (Super Shield) • **Semi-rigid PVC Insulation** • **Chrome PVC Jacket**

49740A	15	5	1.5	Male/Male	NEC: CM	24 (7x32) Tinned Copper [.61]	Overall Foil + 65% Braid	None	.010	.25	.035	.89	.300	7.62
49745A	15	5	1.5	Male/Female										
49746A	15	10	3.0	Male/Female										
49747A	15	25	7.6	Male/Female										

Molded handles are 100% shielded to assist in FCC compliance and guard against EMI/RFI. All connectors tin-plated and male connectors have detents for positive ground connection. Wiring is point-to-point with the shield to connector shell. Jack screw retention on both connectors.

300V 80°C, UL AWM Style 2464



Contact View



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D-Subminiature Assembly

Shielded 25-Position

Part No.	No. of Cond.	Standard Lengths		Gender	UL NEC/ (C)UL CEC Type	Conductors AWG (stranding) [Dia. in mm]	Shield		Insulation Thickness		Jacket Thickness		Nominal OD	
		Ft.	m				Type	Drain Wire	Inch	mm	Inch	mm	Inch	mm

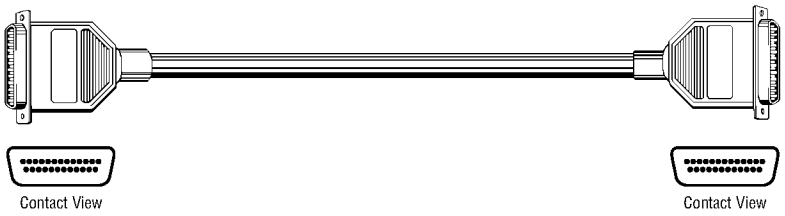
25-Position Shielded D-Sub • Straight Handle Both Ends • For RS-232 applications

Foil Shield (General Purpose) • **Semi-rigid PVC Insulation** • **Chrome PVC Jacket**

49668A	25	5	1.5	Male/Male	NEC: CM	24 (7x32) Tinned Copper [.61]	Overall Foil	24 (7x32)	.010	.25	.032	.81	.339	8.61
49669A	25	10	3.0	Male/Male										
49670A	25	25	7.6	Male/Male										
49671A new	25	50	15.2	Male/Male										
49673A	25	5	1.5	Male/Female										
49674A	25	10	3.0	Male/Female										
49675A	25	25	7.6	Male/Female										
49676A new	25	50	15.2	Male/Female										

Molded handles are 100% shielded to guard against EMI/RFI where indicated. All connectors are tin-plated and male connectors have detents to allow for a positive shield to ground connection. Wiring is point-to-point with shield to connector shell. Jack screw retention on both connectors.

300V 80°C, UL AWM Style 2464



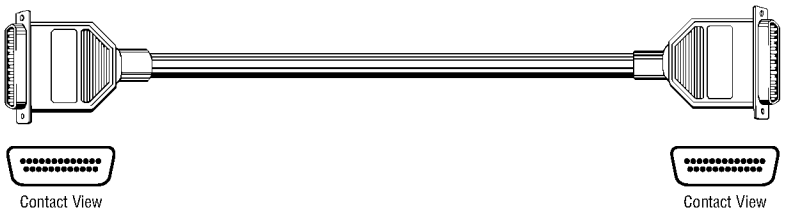
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Foil plus Braid Shield (Super Shield) • **Semi-rigid PVC Insulation** • **Chrome PVC Jacket**

49612A	25	25	7.6	Male/Male	NEC: CM	24 (7x32) Tinned Copper [.61]	Overall Foil + 65% Braid	None	.010	.25	.040	1.02	.370	9.40
49615A	25	5	1.5	Male/Female										
49616A	25	10	3.0	Male/Female										
49617A	25	25	7.6	Male/Female										

Molded handles are 100% shielded to guard against EMI/RFI where indicated. All connectors are tin-plated and male connectors have detents to allow for a positive shield to ground connection. Wiring is point-to-point with shield to connector shell. Jack screw retention on both connectors.

300V 80°C, UL AWM Style 2464



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Foil plus Braid Shield (Super Shield) • **Semi-rigid PVC Insulation** • **Chrome PVC Jacket**

49660A	25	5	1.5	Male/Male	NEC: CM	24 (7x32) Tinned Copper [.61]	Overall Foil + 65% Braid	None	.010	.25	.040	1.02	.370	9.40

Molded handles are 100% shielded to guard against EMI/RFI where indicated. All connectors are tin-plated and male connectors have detents to allow for a positive shield to ground connection. Wiring is point-to-point with shield to connector shell. Jack screw retention on both connectors.

300V 80°C, UL AWM Style 2464



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D-Subminiature Assembly

Unshielded 25-Position, Shielded 37-Position and 50-Position

Part No.	No. of Cond.	Standard Lengths		Gender	UL NEC/ (C)UL CEC Type	Conductors AWG (stranding) [Dia. in mm]	Shield		Insulation Thickness		Jacket Thickness		Nominal OD	
		Ft.	m				Type	Drain Wire	Inch	mm	Inch	mm	Inch	mm
25-Position Unshielded D-Sub • Straight Handle Both Ends • For RS-232 applications														
Unshielded (General Purpose) • **Semi-rigid PVC Insulation** • **Chrome PVC Jacket**														
49653A	25	10	3.0	Male/Female	NEC: CM	24 (7x32) Tinned Copper [.61]	None	None	.010	.25	.040	1.02	.350	8.89

Molded handles are 100% shielded to guard against EMI/RFI where indicated. All connectors are tin-plated and male connectors have detents to allow for a positive shield to ground connection. Wiring is point-to-point with shield to connector shell. Jack screw retention on both connectors.

300V 80°C, UL AWM Style 2464



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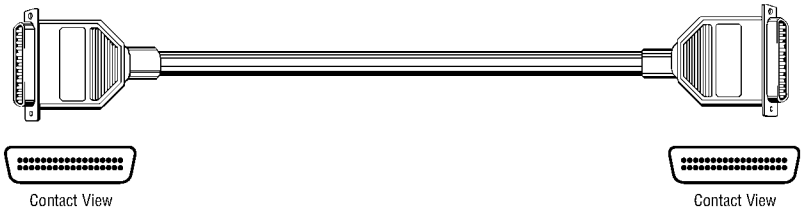
37-Position Shielded D-Sub • Straight Handle Both Ends • For RS-449 applications where assembly is exposed to high noise environment

Foil plus Braid Shield (Super Shield) • **Semi-rigid PVC Insulation** • **Chrome PVC Jacket**

49950A	36	5	1.5	Male/Male	NEC: CM	24 (7x32) Tinned Copper [.61] 18 Pairs	Overall Foil + 65% Tinned Copper Braid	None	.010	.25	.045	1.14	.480	12.19
49951A	36	10	3.0	Male/Male										
49952A	36	25	7.6	Male/Male										
49955A	36	5	1.5	Male/Female										
49956A	36	10	3.0	Male/Female										
49957A	36	25	7.6	Male/Female										
49958A	36	50	15.2	Male/Female										

Molded handles are 100% shielded to assist in FCC compliance and guard against EMI/RFI. All connectors are tin-plated and male connectors have detents to allow for a positive shield to ground connection. Wiring is point-to-point with shield to connector shell and pin #1. Jack screw retention on both connectors.

300V 80°C, UL AWM Style 2464



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50-Position Shielded D-Sub • Straight Handle Both Ends • For high-density applications where assembly is exposed to high noise environment

Foil Shield (General Purpose) • **Polyethylene Insulation** • **Chrome PVC Jacket**

49760A	50	5	1.5	Male/Male	NEC: CM	26 (7x34) Tinned Copper [.48] 25 Pairs	Overall Foil + 91% Tinned Copper Braid	22 (7x30)	.010	.25	.049	1.24	.535	13.59
49761A	50	10	3.0	Male/Male										
49762A	50	25	7.6	Male/Male										
49765A	50	5	1.5	Male/Female										
49766A	50	10	3.0	Male/Female										
49767A	50	25	7.6	Male/Female										

Molded handles are 100% shielded to guard against EMI/RFI and assist in FCC compliance. All connectors are tin-plated and male connectors have detents to allow for a positive shield to ground connection. Wiring is point-to-point with shield to connector shell. Jack screw retention on both connectors.

30V 80°C, UL AWM Style 2919



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SCSI Cable Assembly

SCSI-1 and SCSI-2
Shielded Straight and Right-Angled Handles

Part No.	No. of Cond.	Standard Lengths		Gender	UL NEC/ (C)UL CEC Type	Conductors AWG (stranding) [Dia. in mm]	Shield		Insulation Thickness		Jacket Thickness		Nominal OD	
		Ft.	m				Type	Drain Wire	Inch	mm	Inch	mm	Inch	mm
SCSI-1 Assemblies (26 AWG) • Shielded Straight Handles • For SCSI (Small Computer Systems Interface) applications														
Foil plus Braid Shield (Super Shield) • **Polyethylene Insulation** • **Chrome PVC Jacket**														
49801A new	50	6.6	2	Male/Male	NEC: CM	26 (7x34) Tinned Copper [.48] 25 Pairs	Overall Foil + 90% Braid	22 (7x30)	.010	.25	.049	1.24	.535	13.59
49802A	50	16.4	5	Male/Male										
49803A new	50	32.8	10	Male/Male										

Molded handles are 100% shielded to guard against EMI/RFI and assist in FCC compliance. These assemblies have tin-plated connectors and can be used in single-ended or differential configurations. Wiring is per SCSI standard.

30V 80°C, UL AWM Style 2919



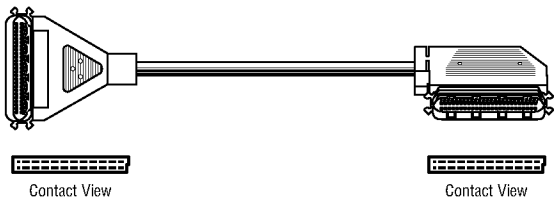
SCSI-1 Assemblies (26 AWG) • One Shielded Straight Handle, One Shielded Right-Angle Handle • For SCSI applications

Foil plus Braid Shield (Super Shield) • **Polyethylene Insulation** • **Chrome PVC Jacket**

49813A new	50	32.8	10	Male/Male	NEC: CM	26 (7x34) Tinned Copper [.48] 25 Pairs	Overall Foil + 90% Braid	22 (7x30)	.010	.25	.049	1.24	.535	13.59

Molded handles are 100% shielded to guard against EMI/RFI and assist in FCC compliance. These assemblies have tin-plated connectors and can be used in single-ended or differential configurations. Wiring is per SCSI standard.

30V 80°C, UL AWM Style 2919



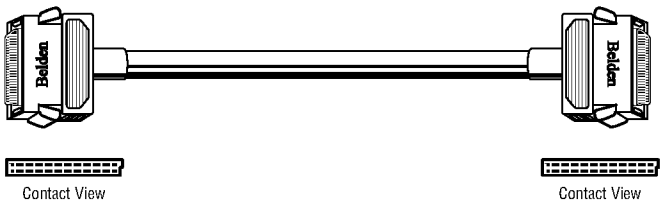
SCSI-2 Assemblies (28 AWG) • Shielded Straight Handles • For SCSI (Small Computer System Interface) applications

Foil plus Braid Shield (Super Shield) • **Polyethylene Insulation** • **Matte Black PVC Jacket**

50000A	50	3.3	1	Male/Male		28 (7x36) Tinned Copper [.38] 25 Pairs	Overall Foil + 85% Braid	24 (7x32)	.010	.25	.032	.81	.425	10.80
50001A	50	4.9	1.5	Male/Male										

Molded handles are 100% shielded to guard against EMI/RFI and assist in FCC compliance. These assemblies have tin-plated connectors and can be used in single-ended or differential configurations. Wiring is per SCSI standard.

30V 80°C, UL AWM Style 2919



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GPIB (General Purpose Interface Bus) Assembly

Unshielded and Shielded Connectors

Unshielded GPIB • Molded PVC Connector • For use with electronic equipment that is IEEE-488 compatible

Foil plus Braid Shield (Super Shield) • **Semi-rigid PVC Insulation** • **Gull Gray PVC Jacket**

Part No.	No. of Cond.	Standard Lengths Ft.	Standard Lengths m	Gender	UL NEC/ (C)UL CEC Type	Conductors AWG (stranding)	Shield Type	Shield Drain Wire	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm
49642	23	3.3	1	Male/Female Each End	NEC: CM	6 Pairs: 26 (7x34) Tinned Copper 10 Singles: 26 (7x34) Tinned Copper 1 Single: 24 (7x32) Tinned Copper	Overall Foil + 90% Braid	26 (7x34)	.010	.25	.035	.89	.350	8.89
49643	23	6.6	2	Male/Female Each End										
49657	23	9.8	3	Male/Female Each End										
49644	23	13.1	4	Male/Female Each End										
49645	23	26.2	8	Male/Female Each End										

Molded connector is male/female design for easy stacking and comes with molded-in metric jack screws.

300V 80°C, UL AWM Style 2464



Contact View Contact View

Shielded GPIB • Die Cast Connector • For use with electronic equipment that is IEEE-488 compatible

Foil plus Braid Shield (Super Shield) • **Semi-rigid PVC Insulation** • **Gull Gray PVC Jacket**

Part No.	No. of Cond.	Standard Lengths Ft.	Standard Lengths m	Gender	UL NEC/ (C)UL CEC Type	Conductors AWG (stranding)	Shield Type	Shield Drain Wire	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm
49635	23	3.3	1	Male/Female Each End	NEC: CM	6 Pairs: 26 (7x34) Tinned Copper 10 Singles: 26 (7x34) Tinned Copper 1 Single: 24 (7x32) Tinned Copper	Overall Foil + 90% Braid	26 (7x34)	.010	.25	.035	.89	.350	8.89
49636	23	6.6	2	Male/Female Each End										
49637	23	9.8	3	Male/Female Each End										
49638	23	13.1	4	Male/Female Each End										
49639	23	26.2	8	Male/Female Each End										

Die cast connector is male/female design for easy stacking and comes with molded-in metric jack screws.

300V 80°C, UL AWM Style 2464



Contact View Contact View

Shielded GPIB • Molded PVC Connector • For use with electronic equipment that is IEEE-488 compatible

Foil plus Braid Shield (Super Shield) • **Semi-rigid PVC Insulation** • **Gull Gray PVC Jacket**

Part No.	No. of Cond.	Standard Lengths Ft.	Standard Lengths m	Gender	UL NEC/ (C)UL CEC Type	Conductors AWG (stranding)	Shield Type	Shield Drain Wire	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm
49733	23	1.6	.5	Male/Female Each End	NEC: CM	6 Pairs: 26 (7x34) Tinned Copper 10 Singles: 26 (7x34) Tinned Copper 1 Single: 24 (7x32) Tinned Copper	Overall Foil + 90% Braid	26 (7x34)	.010	.25	.035	.89	.350	8.89
49734	23	3.3	1	Male/Female Each End										
49735	23	6.6	2	Male/Female Each End										
49736	23	9.8	3	Male/Female Each End										
49737	23	13.1	4	Male/Female Each End										
49738	23	26.2	8	Male/Female Each End										

Molded connector is male/female design for easy stacking and comes with molded-in metric jack screws.

300V 80°C, UL AWM Style 2464



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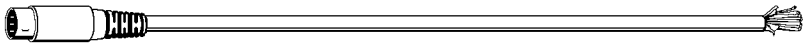
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DIN* Cable Assembly

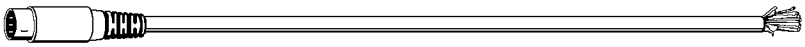
Shielded 3-Position, 5-Position and 8-Position

Part No.	No. of Cond.	Standard Lengths		UL NEC/ (C)UL CEC Type	Conductors AWG (stranding) [Dia. in mm]	Shield		Insulation Thickness		Jacket Thickness		Nominal OD	
		Ft.	m			Type	Drain Wire	Inch	mm	Inch	mm	Inch	mm
3-Position Shielded DIN • Straight Handle One End • Used where a shielded conductor is desired and as a low cost alternative to a D-Sub													
Foil plus Braid Shield (Super Shield) • **PVC Insulation** • **Black PVC Jacket**													
49151A new	3	10	3.0	NEC: CM	26 (19x38) Tinned Copper [.51]	Overall Foil + 90% Tinned Copper Braid	26 (19x38)	.014	.36	.037	.94	.200	5.08
Foil and braid shielded for high-noise environments. Outer jacket stripped 1 inch.													
300V 80°C, UL AWM Style 2464. Packaged: S-25													
5-Position Shielded DIN • Straight Handle One End • Used where a shielded conductor is desired and as a low cost alternative to a D-Sub													
Foil Shield (General Purpose) • **PVC Insulation** • **Black PVC Jacket**													
49152A	5	10	3.0	NEC: CM	26 (19x38) Tinned Copper [.51]	Overall Foil	26 (19x38)	.014	.36	.053	1.35	.251	6.38
49164A new	5	25	7.6										
Foil shielded for moderate-noise environments. Outer jacket stripped 1 inch.													
300V 80°C, UL AWM Style 2464. Packaged: B-25, S-25													
Foil plus Braid Shield (Super Shield) • **PVC Insulation** • **Black PVC Jacket**													
49153A new	5	10	3.0	NEC: CM	26 (19x38) Tinned Copper [.51]	Overall Foil + 90% Tinned Copper Braid	26 (19x38)	.014	.36	.037	.94	.231	5.87
Foil and braid shielded for high-noise environments. Outer jacket stripped 1 inch.													
300V 80°C, UL AWM Style 2464. Packaged: B-25, S-25													
8-Position Shielded DIN • Straight Handle One End • Used where a shielded conductor is desired and as a low cost alternative to a D-Sub													
Foil Shield (General Purpose) • **PVC Insulation** • **Black PVC Jacket**													
49154A	8	10	3.0	NEC: CM	26 (19x38) Tinned Copper [.51]	Overall Foil	26 (19x38)	.014	.36	.052	1.32	.266	6.76
Foil shielded for moderate-noise environments. Outer jacket stripped 1 inch.													
300V 80°C, UL AWM Style 2464. Packaged: B-25, S-25													

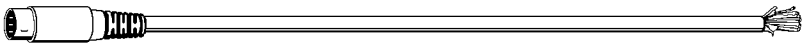
Contact View



Contact View



Contact View



Contact View



*DIN Standard (Deutsche Industries Norm)

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DIN* Cable Assembly

Shielded 5-Position and 8-Position Retractile

Part No.	No. of Cond.	Length of Body				Length of Tail				Conductors AWG (stranding) [Dia. in mm]	Shield		Insulation Thickness		Jacket Thickness		Nominal OD	
		Retracted		Extended		Connector End		Other End			Type	Drain Wire	Inch	mm	Inch	mm	Inch	mm
		Inch	mm	Inch	mm	Inch	mm	Inch	mm									

5-Position Shielded DIN • Straight Handle • Standard friction-fit connectors mate easily with many microcomputer keyboard ports

Foil plus Serve Shield (Super Shield) • **Retractile** • **PVC Insulation** • **Black PVC Jacket**

49103A	5	14.5	368.3	72.5	1841.5	12	304.8	18	457.20	26 (19x38) Tinned Copper [.51]	Foil + 95% Serve	26 (19x38)	.014	.36	.058	1.47	.260	6.60

Shielded connectors maintain shield integrity and assist in FCC compliance.
Utilizes 26 AWG conductor for low voltage drop. Ideal for higher noise situations.

300V 80°C, UL AWM Style 2464. Packaged: S-25



Contact View



NEC: CM

8-Position Shielded DIN • Straight Handle • Standard friction-fit connectors mate easily with many microcomputer keyboard ports

Foil Shield (General Purpose) • **Retractile** • **PVC Insulation** • **Black PVC Jacket**

49104A	8	14.5	368.3	72.5	1841.5	12	304.8	18	457.20	26 (19x38) Tinned Copper [.51]	Foil	26 (19x38)	.014	.36	.052	1.32	.266	6.76

Shielded connectors maintain shield integrity and assist in FCC compliance.
Utilizes 26 AWG conductor for low voltage drop. Ideal for higher noise situations.

300V 80°C, UL AWM Style 2464. Packaged: S-25



Contact View



NEC: CM

DIN Pin Configurations • Face Views



3-Position | 4-Position** | 5-Position @ 180° | 5-Position** @ 240° | 6-Position** | 7-Position** | 8-Position

**Available by special order

*DIN Standard (Deutsche Industries Norm)

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Modular Keyboard Assembly

4-Position, 6-Position and 8-Position with Retractile Cables
Unshielded or Shielded Modular Plugs

Part No.	No. of Cond.	Length of Cord						Conductors AWG (stranding) [Dia. in mm]	Shield		Insulation Thickness		Jacket Thickness		Nominal OD	
		Body Retracted		Body Extended		Tail Length			Type	Drain Wire	Inch	mm	Inch	mm	Inch	mm
		Inch	mm	Inch	mm	Inch	mm									

4-Position Modular Plugs • Used to rapidly interconnect electronic computers and business machines

Unshielded (General Purpose) • **Retractile** • **Polypropylene Insulation** • **Black or CRT White Polyurethane Jacket**

49440	4	15	381	67.5	1714.50	1	25.40	26 (19x38) Tinned Copper [.51]	None	None	.006	.15	.030	.76	.093 x .198	2.36 x 5.03

Positive locking latch prevents connector from vibrating loose. Polarized connector prevents improper insertion. No tools required for installation.

30V 60°C, UL AWM Style 20197. Packaged: B-25, S-25

6-Position Modular Plugs • Used to rapidly interconnect electronic computers and business machines

Unshielded (General Purpose) • **Retractile** • **Polypropylene Insulation** • **Black Polyurethane Jacket**

49441	6	15	381	67.5	1714.50	1	25.40	26 (19x38) Tinned Copper [.51]	None	None	.006	.15	.030	.76	.093 x .258	2.36 x 6.55

Positive locking latch prevents connector from vibrating loose. Polarized connector prevents improper insertion. No tools required for installation.

30V 60°C, UL AWM Style 20197. Packaged: B-25, S-25

Foil Shield* • **Retractile** • **Polypropylene Insulation** • **Black or CRT White Polyurethane Jacket**

49403	5	15	381	67.5	1714.50	1	25.40	26 (19x38) Tinned Copper [.51]	Overall Foil	26 (19x38)	.006	.15	.030	.76	.097 x .255	2.46 x 6.48

Positive locking latch prevents connector from vibrating loose. Polarized connector prevents improper insertion. No tools required for installation. A longitudinal aluminum/polyester shield protects against ESD and EMI.

30V 60°C, UL AWM Style 20197. Packaged: B-25, S-25

8-Position Modular Plugs • Used to rapidly interconnect electronic computers and business machines

Unshielded (General Purpose) • **Retractile** • **Polypropylene Insulation** • **Black or CRT White Polyurethane Jacket**

49442	8	15	381	67.5	1714.50	1	25.40	26 (19x38) Tinned Copper [.51]	None	None	.006	.15	.030	.76	.100 x .314	2.54 x 7.98

Positive locking latch prevents connector from vibrating loose. Polarized connector prevents improper insertion. No tools required for installation.

30V 60°C, UL AWM Style 20197. Packaged: B-25, S-25

Foil Shield* • **Retractile** • **Polyurethane Insulation** • **Black Polypropylene Jacket**

49402	7	15	381	67.5	1714.50	1	25.40	26 (19x38) Tinned Copper [.51]	Foil	26 (19x38)	.006	.15	.030	.76	.100 x .314	2.54 x 7.98

Positive locking latch prevents connector from vibrating loose. Polarized connector prevents improper insertion. No tools required for installation. A longitudinal aluminum/polyester shield protects against ESD and EMI.

30V 60°C, UL AWM Style 20197. Packaged: S-25



Contact View

Contact View

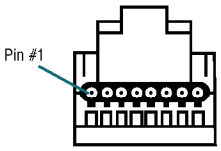
Modular Plug Wiring Schemes

Cross wiring is standard on non-shielded constructions

1.....4
2.....3
3.....2
4.....1

Straight wiring is standard on shielded constructions

1.....1
2.....2
3.....3
4.....4



*In shielded versions, the drain wire is always the highest numbered position in the connector.

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Parallel Interface and Coax Cable Assembly

Part No.	No. of Cond.	Standard Lengths		Gender	UL NEC/ (C)UL CEC Type	Conductors AWG (stranding) [Dia. in mm]	Shield		Insulation Thickness		Jacket Thickness		Nominal OD	
		Ft.	m				Type	Drain Wire	Inch	mm	Inch	mm	Inch	mm

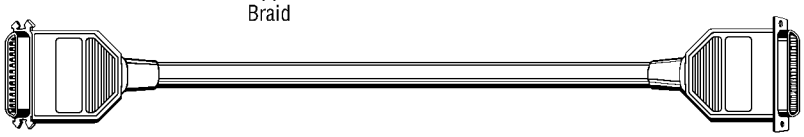
Parallel Interface Assemblies • Centronics/D-Sub Connectors • For computer-printer parallel interface

Shielded • Foil plus Braid Shield (Super Shield) **• Semi-rigid PVC Insulation • Chrome PVC Jacket**

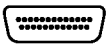
49502A new	25	10	3.0	Male/Male	NEC: CM	24 (7x32) Tinned Copper [.61]	Overall Foil + 65% Tinned Copper Braid	None	.010	.25	.040	1.02	.370	9.40

Universal 36-position ribbon connector (Centronics compatible) on one end and a 25-position D-Subminiature connector (IBM PC and PC-XT compatible) on the other. Molded handles are 100% shielded to guard against EMI/RFI and assist in FCC compliance.

300V 80°C, UL AWM Style 2464



Contact View



Contact View

Part No.	Gender	Standard Lengths		Nom. Core OD		Nominal OD		AWG (stranding) [Dia. in In.] Nom. DCR	Shield Nom. DCR	Nom. Imped. (ohms)	Nom. Veloc. of Prop.	Nominal Capacitance		Nominal Attenuation		
		Ft.	m	Inch	mm	Inch	mm					pF/ft	pF/m	MHz	dB/ 100 Ft.	dB/ 100 m

Coax Cable Assemblies • BNC Connectors • For video display instrumentation, testing and control applications

Shielded • Braid Shield (General Purpose) **• Shielded RG-58C/U Coax • Polyethylene Insulation • Black PVC Jacket**

49200	Male/Male	1	.31	.116	2.95	.195	4.95	20 (19x.007) [.89] Tinned Copper 10.8Ω/M′ 35.4Ω/km	95% Tinned Copper Braid 4.1Ω/M′ 13.4Ω/km	50	66%	30.8	101.0	50	3.3	10.8
49202	Male/Male	3	.91	.116	2.95	.195	4.95							100	4.9	16.1
49203	Male/Male	4	1.20	.116	2.95	.195	4.95							200	7.3	23.9
														400	11.5	37.7
														700	17.0	55.8
														900	20.0	65.6
														1000	21.5	70.5

Terminations reinforced with molded PVC for strain and flex relief.

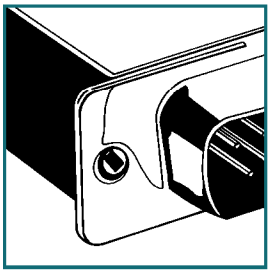
85°C. Packaged: S-25



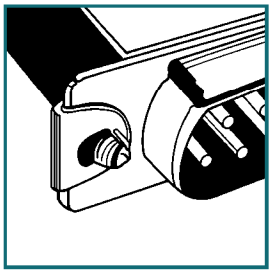
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Technical Information

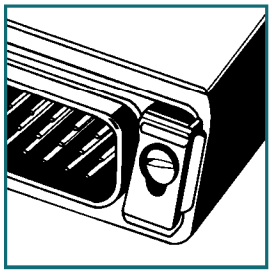
D-Subminiature Retention Systems



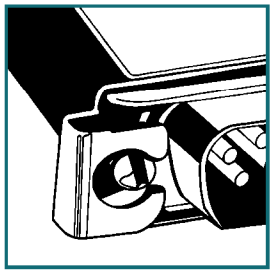
Friction



Screw

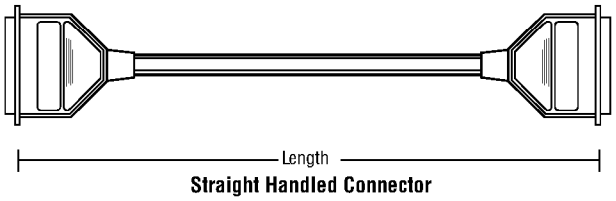


Vertical Slide Lock

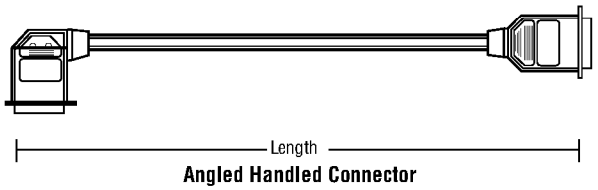


Horizontal Slide Lock

How to Measure a Molded Cable Assembly



Straight Handled Connector



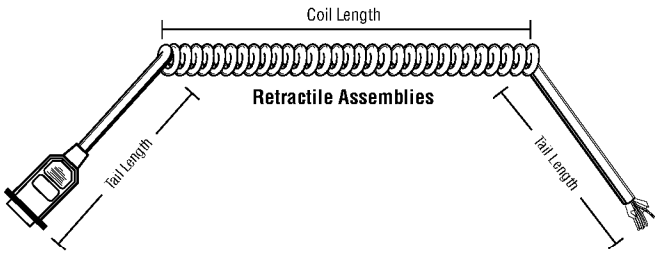
Angled Handled Connector



GPIB



DIN



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Belden



Portable Cordage



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Please refer to "Terms of Use of Master Catalog" on page 16.30.

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Introduction

Belden® portable cordage products are available in a wide assortment of styles, lengths, and thicknesses. Products offered include 2-, 3-, 4- and 5-conductor as well as multi-conductor constructions. Jacket options include PVC, Rubber, Oil-Resistant Rubber and Belflex®. Belflex is a premium PVC jacket compound (Class 43) that is superior to standard PVC for flexibility and durability.

Belden portable cordage is listed by Underwriters Laboratories Inc. (UL). This approval signifies that Underwriters Laboratories Inc. has approved all elements of the cordage as meeting their applicable construction and performance standards. Where indicated, "Certified to CSA Standards" means that Belden portable cordage has been certified by CSA as meeting their Label Service or Re-examination Service requirements. Certification under the applicable CSA Standards has been made mandatory by most provincial or municipal authorities in Canada.

Most of our portable cordage constructions are available from stock. Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find portable cordage in this catalog section that meets your technical requirements, contact Technical Support at 1-800-BELDEN-1.

Color Code Comparison by Function

Color Coding		Function
International	North American Standards	
Light Blue	White	N-Neutral
Brown	Black	L-Live
Green/Yellow	Green or Green/Yellow	E-Earth or Ground

Manufacturer's Identification

Identification of the flexible cord is provided by our UL and CSA file numbers or printed name on the cord jacket.

UL/CSA File Numbers

UL: E-3462

CSA: LL-7874

Portable Cordage Packaging

Belden's unique UnReel® cable dispenser is available for many of the portable cordage products listed in this section. The letter "U" before the specified put-up length denotes UnReel packaging.

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2-Conductor

UL/CSA Types: SPT-1, SPT-2, SP-1 and HPN

Description	Part No.	Standard Lengths		Standard Unit Weight		Jacket Color	AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
		Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm
SPT-1 PVC Parallel Lamp Cord • UL/CSA Listed													
300V, 60°C • One conductor polarity ribbed													
	**19122**	250	76.2	6.3	2.8	Brown, White, Black, Silver-Gray	18 (42x34) bare	.032	.81	—	—	.110 x .207	2.79 x 5.26
		1000	304.8	21.0	9.5								
	8888*	250	76.2	6.3	2.8	Brown, Ivory	18 (42x34) bare	.032	.81	—	—	.110 x .207	2.79 x 5.26
		U-1000	U-304.8	21.0	9.5	Brown, Gray							
SPT-2 PVC Parallel Lamp Cord • UL/CSA Listed													
300V, 60°C • One conductor polarity ribbed													
	**19123**	250	76.2	7.8	3.5	Brown, White, Black	18 (42x34) bare	.049	1.24	—	—	.144 x .277	3.66 x 7.04
	19126	250	76.2	9.8	4.4	Brown, Black	16 (65x34) bare	.048	1.22	—	—	.155 x .299	3.94 x 7.59
SP-1 Rubber Parallel Lamp Cord • UL Listed													
300V, 60°C • One conductor polarity ribbed													
	**19115***	250	76.2	7.5	3.4	Brown, Black	18 (41x34) bare	.035	.89	—	—	.123 x .227	3.12 x 5.77
HPN CPE Heater Cord • UL/CSA Listed													
300V, 90°C													
	**19405**	250	76.2	7.8	3.5	Black	18 (41x34) bare	.047	1.18	—	—	.140 x .276	3.56 x 7.01
		1000	304.8	30.0	13.6								
	19404	250	76.2	9.5	4.3	Black	16 (105x36) bare	.047	1.18	—	—	.152 x .300	3.86 x 7.62
		1000	304.8	38.0	17.3								

*Not CSA recognized.

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2-Conductor

UL/CSA Types: SJ, SJO, SJTOW, SO

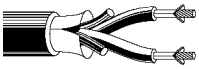
Description	Part No.	Standard Lengths		Standard Unit Weight		Jacket Color	AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
		Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm
SJ Rubber Jacket • Smooth Jacket • UL/CSA Listed													
300V, 60°C • Paper Tape Separator • Color Code: Black, White													
	**8478**	250	76.2	14.3	6.5	Black	18 (42x34) bare	.032	.81	.035	.89	.290	7.37
		1000	304.8	48.0	21.8								
	8472	250	76.2	16.8	7.6	Black	16 (65x34) bare	.033	.84	.035	.89	.315	8.00
SJO Oil-Resistant Rubber Jacket • Smooth Jacket • UL/CSA Listed													
300V, 90°C • Paper Tape Separator • Color Code: Black, White													
	**19227**	250	76.2	14.8	6.7	Black	18 (16x30) bare	.031	.79	.035	.89	.290	7.37
	19228	250	76.2	17.3	7.8	Black	16 (26x30) bare	.031	.79	.035	.89	.315	8.00
SJTOW Belflex® Matte Black Premium PVC • Smooth Jacket • UL/CSA Listed													
300V, 105°C • Paper Tape Separator • International Color Code: Light Blue, Brown													
VW-1 	**19506***	250	76.2	11.0	5.0	Black	18 (42x34) bare	.032	.81	.035	.89	.290	7.34
	19507*	250	76.2	13.8	6.3	Black	16 (65x34) bare	.033	.84	.037	.94	.319	8.10
	19508*	250	76.2	17.3	7.8	Black	14 (41x30) bare	.033	.84	.032	.81	.340	8.64
SO Oil-Resistant Rubber Jacket • Smooth Jacket • UL/CSA Listed													
600V, 90°C • Cotton Serve Separator • Color Code: Black, White													
	**19204**	250	76.2	18.5	8.4	Black	18 (42x34) bare	.032	.81	.065	1.65	.360	9.14
	19203	250	76.2	21.0	9.5	Black	16 (65x34) bare	.033	.84	.065	1.65	.385	9.78
	19202	250	76.2	39.5	18.0	Black	14 (41x30) bare	.048	1.22	.085	2.16	.523	13.28
600V, 90°C • Paper Tape Separator • Color Code: Black, White													
	**19201**	250	76.2	52.8	24.0	Black	12 (65x30) bare	.051	1.30	.100	2.54	.610	15.49

*These constructions are approved as water-resistant, oil-resistant and for outdoor use.

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2-Conductor

UL/CSA Types: STOW, SV, SVT

Description	Part No.	Standard Lengths		Standard Unit Weight		Jacket Color	AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
		Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm
STOW Belflex® Matte Black Premium PVC • Smooth Jacket • UL/CSA Listed													
600V, 105°C • Paper Tape Separator • International Color Code: Light Blue, Brown													
VW-1 	**19500***	250	76.2	16.0	7.3	Black	18 (42x34) bare	.032	.81	.070	1.78	.360	9.14
	19501*	250	76.2	21.8	9.9	Black	16 (65x34) bare	.033	.84	.070	1.78	.386	9.80
	19502*	250	76.2	34.0	15.5	Black	14 (41x30) bare	.049	1.24	.089	2.26	.524	13.31
SV Rubber Jacket • Serrated Jacket • UL/CSA Listed													
300V, 60°C • Cotton Serve Separator • Color Code: Black, White													
	**8452**	250	76.2	9.5	4.3	Black	18 (42x34) bare	.017	.43	.037	.94	.245	6.22
		U-500	U-152.4	18.5	8.4								
		500	152.4	19.0	8.6								
		U-1000	U-304.8	37.0	16.8								
		1000	304.8	38.0	17.3								
SV Rubber Jacket • Smooth Jacket • UL/CSA Listed													
300V, 60°C • Cotton Serve Separator • Color Code: Black, White													
	**19120**	250	76.2	9.5	4.3	Black	18 (42x34) bare	.017	.43	.037	.94	.245	6.22
SVT PVC Jacket • Serrated Jacket • UL/CSA Listed													
300V, 60°C • Paper Tape Separator • Color Code: Black, White													
	**19140**	250	76.2	8.8	4.0	Black, Gray	18 (42x34) bare	.018	.46	.036	.91	.243	6.17

*These constructions are approved as water-resistant, oil-resistant and for outdoor use.

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3-Conductor

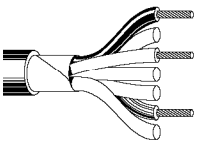
UL/CSA Types: S, SO, SJ

Description	Part No.	Standard Lengths		Standard Unit Weight		Jacket Color	AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
		Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm
S Rubber Jacket • Smooth Jacket • UL/CSA Listed													
600V, 60°C • Cotton Serve Separator • Color Code: Black, White, Green													
	**19109**	250	76.2	20.8	9.4	Black	18 (42x34) bare	.032	.81	.065	1.65	.380	9.65
	19108	250	76.2	27.5	12.5	Black	16 (65x34) bare	.033	.84	.065	1.65	.405	10.29
600V, 60°C • Paper Tape Separator • Color Code: Black, White, Green													
	**19107**	250	76.2	44.0	20.0	Black	14 (41x30) bare	.048	1.22	.085	2.16	.535	13.59
	19106	250	76.2	61.8	28.1	Black	12 (65x30) bare	.051	1.30	.099	2.51	.640	16.26
	19105	250	76.2	78.0	35.5	Black	10 (105x30) bare	.050	1.27	.099	2.51	.681	17.30
SO Oil-Resistant Rubber Jacket • Smooth Jacket • UL/CSA Listed													
600V, 90°C • Cotton Serve Separator • Color Code: Black, White, Green													
	**19209**	250	76.2	21.3	9.7	Black	18 (42x34) bare	.032	.81	.065	1.65	.380	9.65
	19208	250	76.2	26.5	12.0	Black	16 (65x34) bare	.033	.84	.063	1.60	.400	10.16
600V, 90°C • Paper Tape Separator • Color Code: Black, White, Green													
	**19207**	250	76.2	45.3	20.6	Black	14 (41x30) bare	.048	1.22	.086	2.18	.538	13.67
	19206	250	76.2	62.8	28.5	Black	12 (65x30) bare	.051	1.30	.100	2.54	.632	16.05
	19205	250	76.2	79.3	36.0	Black	10 (105x30) bare	.050	1.27	.099	2.51	.681	17.30
SJ Rubber Jacket • Smooth Jacket • UL/CSA Listed													
300V, 60°C • Paper Tape Separator • Color Code: Black, White, Green													
	**19129**	250	76.2	17.8	8.1	Black	18 (16x30) bare	.031	.79	.039	.99	.315	8.00
	19125	250	76.2	17.3	7.8	Black	18 (42x34) bare	.032	.81	.038	.97	.315	8.00
	19130	250	76.2	19.3	8.8	Black	16 (26x30) bare	.031	.79	.038	.97	.340	8.64
	19124	250	76.2	18.5	8.4	Black	16 (65x34) bare	.033	.84	.038	.97	.340	8.64
	8479	250	76.2	7.8	3.5	Black	14 (41x30) bare	.033	.84	.039	.99	.380	9.65

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3-Conductor

UL/CSA Types: SJO, SJT

Description	Part No.	Standard Lengths		Standard Unit Weight		Jacket Color	AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
		Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm
SJO Oil-Resistant Rubber Jacket • Smooth Jacket • UL/CSA Listed													
300V, 90°C • Paper Tape Separator • Color Code: Black, White, Green													
	**19229**	250	76.2	18.0	8.2	Black	18 (16x30) bare	.031	.79	.039	.99	.315	8.00
	19230	250	76.2	19.3	8.8	Black	16 (26x30) bare	.031	.79	.038	.97	.340	8.64
SJT PVC Jacket • Serrated Jacket • UL/CSA Listed													
300V, 60°C • Paper Tape Separator • Color Code: Black, White, Green (18 AWG); Black, White, Green/Yellow (16 AWG)													
	**19348**	250	76.2	17.5	8.0	Gray, Black	18 (42x34) bare	.032	.81	.046	1.17	.328	8.33
	19349	250	76.2	18.5	8.4	Gray, Black	16 (65x34) bare	.033	.83	.038	.97	.340	8.64
SJT PVC Jacket • Smooth Jacket • UL/CSA Listed													
300V, 60°C • Paper Tape Separator • International Color Code: Light Blue, Brown, Green/Yellow													
	**19352**	250	76.2	17.5	8.0	Black	18 (42x34) bare	.032	.81	.046	1.17	.328	8.33
	19353	250	76.2	19.8	9.0	Black	16 (65x34) bare	.033	.84	.036	.91	.353	8.97
	19354	250	76.2	25.0	11.4	Black	14 (41x30) bare	.033	.84	.038	.97	.380	9.65
SJT PVC Jacket • Shielded • Smooth Jacket • 20 AWG Drain Wire (7x28) • UL/CSA Listed													
300V, 60°C Shielded • Beldfoil® 100% Shield Coverage • International Color Code: Light Blue, Brown, Green/Yellow													
	**19362**	250	76.2	17.5	8.0	Black	18 (42x34) bare	.032	.81	.050	1.27	.340	8.64
		500	152.4	35.0	15.9								
	19363	250	76.2	21.3	9.7	Black	16 (65x34) bare	.033	.84	.047	1.19	.365	9.27
	19364	250	76.2	26.3	11.9	Black	14 (41x30) bare	.033	.84	.042	1.07	.402	10.21
SJT PVC Jacket • Low Leakage Power Cord • Smooth Jacket • UL Listed													
300V, 75°C • Paper Tape Separator • Color Code: Black, White, Green													
	**9998***	500	152.4	53.0	24.1	Gray	16 (65x34) bare	.033	.84	.045	1.14	.475	12.07
		1000	304.8	102.0	46.4	Blue							

*Not CSA recognized.

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3-Conductor

UL/CSA Types: SJTOW, STOW, SV, SVT

Description	Part No.	Standard Lengths		Standard Unit Weight		Jacket Color	AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
		Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm
SJTOW Belflex® Matte Black Premium PVC • Smooth Jacket • UL/CSA Listed													
300V, 105°C • Paper Tape Separator • International Color Code: Light Blue, Brown, Green/Yellow													
VW-1 	**19509***	250	76.2	14.0	6.4	Black	18 (42x34) bare	.032	.81	.038	.97	.315	8.00
	19510*	250	76.2	18.0	8.2	Black	16 (65x34) bare	.033	.84	.038	.97	.340	8.64
	19511*	250	76.2	23.8	10.8	Black	14 (41x30) bare	.032	.81	.040	1.02	.380	9.65
STOW Belflex Matte Black Premium PVC • Smooth Jacket • UL/CSA Listed													
600V, 105°C • Paper Tape Separator • International Color Code: Light Blue, Brown, Green/Yellow													
VW-1 	**19503***	250	76.2	19.0	8.6	Black	18 (42x34) bare	.032	.81	.070	1.78	.380	9.65
	19504*	250	76.2	23.0	10.5	Black	16 (65x34) bare	.033	.84	.070	1.78	.405	10.29
	19505*	250	76.2	42.5	19.3	Black	14 (41x30) bare	.049	1.24	.089	2.26	.558	14.17
SV Rubber Jacket • Smooth Jacket • UL/CSA Listed													
300V, 60°C • Cotton Serve Separator • Color Code: Black, White, Green													
	**8453**	100	30.5	5.6	2.5	Black	18 (41x34) tinned	.018	.46	.036	.91	.256	6.50
		500	152.4	23.0	10.5								
SVT PVC Jacket • Serrated Jacket • UL/CSA Listed													
300V, 60°C • Paper Tape Separator • Color Code: Black, White, Green													
	**19350**	250	76.2	10.8	4.9	Gray	18 (42x34) bare	.018	.46	.038	.97	.253	6.43
SVT PVC Jacket • Smooth Jacket • UL/CSA Listed													
300V, 60°C • Paper Tape Separator • International Color Code: Light Blue, Brown, Green/Yellow													
	**19402**	250	76.2	12.3	5.6	Black	18 (42x34) bare	.018	.46	.034	.86	.253	6.43

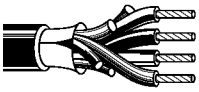
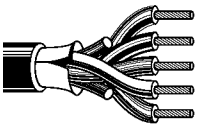
*These constructions are approved as water-resistant, oil-resistant and for outdoor use.

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3-, 4- and 5-Conductor

UL/CSA Type: SVT, SO

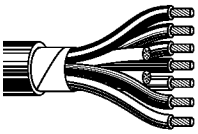
UL AWM Styles: 4097 and 4256

Description	Part No.	Standard Lengths		Standard Unit Weight		Jacket Color	AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
		Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm
3-Conductor SVT PVC Jacket • Shielded • Smooth Jacket • 22 AWG Drain Wire (7x30) • UL/CSA Listed													
300V, 60°C Shielded • Beldfoil® 100% Shield Coverage • International Color Code: Light Blue, Brown, Green/Yellow													
	**19401**	250	76.2	12.3	5.6	Black	18 (42x34) bare	.018	.46	.043	1.09	.270	6.86
		1000	304.8	49.0	22.3								
300V, 60°C Shielded • Duofoil® 100% Shield Coverage • 88% Braid Coverage • International Color Code: Light Blue, Brown, Green/Yellow													
	**19403**	250	76.2	18.0	8.2	Black	18 (42x34) bare	.018	.46	.038	.97	.307	7.80
4-Conductor Rubber Jacket • Smooth Jacket • Style 4097													
300V, 60°C • Paper Tape Separator • Color Code: Black, White, Brown, Red													
	**8454***	100	30.5	6.5	3.0	Black	18 (41x34) tinned	.018	.46	.036	.91	.265	6.73
		U-500	U-152.4	27.0	12.3								
		500	152.4	27.0	12.3								
		U-1000	U-304.8	53.0	24.1								
		1000	304.8	54.0	24.5								
4-Conductor SO Oil-Resistant Rubber Jacket • Smooth Jacket • UL/CSA Listed													
600V, 90°C • Paper Tape Separator • Color Code: Black, White, Green, Red													
	**19217**	50	15.2	13.8	6.3	Black	14 (41x30) bare	.048	1.22	.087	2.21	.603	15.32
		200	60.9	45.2	20.5								
	19216	50	15.2	17.2	7.8	Black	12 (65x30) bare	.051	1.30	.102	2.59	.690	17.53
		200	60.9	61.8	28.1								
5-Conductor Rubber Jacket • Smooth Jacket • Style 4256													
300V, 60°C • Paper Tape Separator • Color Code: Brown, Green, White, Black, Red													
	**8455***	250	76.2	15.8	7.2	Black	3–20 (26x34) tinned	.018	.46	.031	.79	.280	7.11
		U-500	U-152.4	25.0	11.4								
		U-1000	U-304.8	51.0	23.2								
							2–18 (41x34) tinned						

*Not CSA recognized.

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Multi-Conductor
Power and Control Cables

Description	Part No.	No. of Cond.	Standard Lengths		Standard Unit Weight		Jacket Color	AWG (stranding)	Nom. Insulation Thickness		Nom. Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg			Inch	mm	Inch	mm	Inch	mm
SO Oil-Resistant Rubber Jacket • Smooth Jacket • UL/CSA Listed														
600V, 60°C • Conductors Cabled with Fillers • Paper Tape Separator • Color Code: See Chart 2 (Tech Info Section)														
	**9420**	5	100	30.5	14.9	6.8	Black	16 (65x34) bare	.033	.84	.084	2.13	.506	12.85
			500	152.4	73.5	33.4								
			1000	304.8	143.0	65.0								
	9422	7	100	30.5	20.3	9.2	Black	16 (65x34) bare	.033	.84	.083	2.11	.581	14.76
			500	152.4	101.0	45.9								
			1000	304.8	201.0	91.4								
	9424	9	100	30.5	28.6	13.0	Black	16 (65x34) bare	.033	.84	.100	2.54	.720	18.29
			500	152.4	150.5	68.4								
			1000	304.8	288.0	130.9								
	9425	12	100	30.5	31.6	14.4	Black	16 (65x34) bare	.033	.84	.100	2.54	.720	18.29
			500	152.4	165.5	75.2								
			1000	304.8	318.0	144.5								
	9427	16	100	30.5	41.2	18.7	Black	16 (65x34) bare	.033	.84	.100	2.54	.787	19.99
			1000	304.8	428.0	194.5								
	9429	20	100	30.5	48.4	22.0	Black	16 (65x34) bare	.033	.84	.100	2.54	.862	21.89
			500	152.4	233.0	105.9								

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UL Cordage Type

Designation

UL Cord Type	Description
HPN	Heater Parallel Neoprene
HSJ	Heater Service Junior
HSJO	HSJ with Oil-Resistant Jacket
S	Service
SE	Service Elastomer
SEO	SE with Oil-Resistant Jacket
SEOO	SEO with Oil-Resistant Insulation
SJ	Service Junior
SJE	Service Junior Elastomer
SJEO	SJE with Oil-Resistant Jacket
SJEOO	SJEO with Oil-Resistant Insulation
SJO	SJ with Oil-Resistant Jacket
SJOO	SJO with Oil-Resistant Insulation
SJT	Service Junior Thermoplastic
SJTO	SJT with Oil-Resistant Jacket
SJTOO	SJTO with Oil-Resistant Insulation
SO	Service with Oil-Resistant Jacket
SOO	SO with Oil-Resistant Insulation
SP-1	Service Parallel — 1/32″ Insulation
SP-2	Service Parallel — 3/64″ Insulation
SP-3	Service Parallel — 1/16″ Insulation
SPE-1	Service Parallel Elastomer — 1/32″ Insulation
SPE-2	Service Parallel Elastomer — 3/64″ Insulation
SPE-3	Service Parallel Elastomer — 1/16″ Insulation
SPT-1	Service Parallel Thermoplastic — 1/32″ Insulation
SPT-2	Service Parallel Thermoplastic — 3/64″ Insulation
SPT-3	Service Parallel Thermoplastic — 1/16″ Insulation
ST	Service Thermoplastic
STO	ST with Oil-Resistant Jacket
STOO	STO with Oil-Resistant Insulation
SV	Service Vacuum
SVE	Service Vacuum Elastomer
SVEO	SVE with Oil-Resistant Jacket
SVEOO	SVEO with Oil-Resistant Insulation
SVO	SV with Oil-Resistant Jacket
SVOO	SVO with Oil-Resistant Insulation
SVT	Service Vacuum Thermoplastic
SVTO	SVT with Oil-Resistant Jacket
SVTOO	SVTO with Oil-Resistant Insulation
TPT	Tinsel Parallel Thermoplastic
TST	Tinsel Service Thermoplastic
XT	Christmas Tree Thermoplastic

NOTE: Service parallel types—wall thickness for integral construction.

Elastomer is a thermoplastic material with elastomeric properties similar to rubber.

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UL Cordage Type
Construction and Rating

Cord Type*	AWG Size Range	No. of Cond.	Conductor Insulation Material and Min. Average Thickness (inches)	Jacket Material and Min. Average Thickness** (inches)	Temperature Rating (°C)†		Voltage Rating
					Standard	Other	
HPN	18 – 12	2 or 3††	.045 Rubber		90	105	300
HSJ	18 – 12	2, 3, 4	.030 Rubber††	.030 Rubber	90		300
HSJO	18 – 12	2, 3, 4	.030 Rubber▲	.030 Oil-Resistant Rubber	90		300
S	18 – 2	2 or more	.030 Rubber▲	.060 Rubber▲	60	75, 90	600
SE	18 – 2	2 or more	.030 Elastomer	.060 Elastomer	105		600
SEO	18 – 2	2 or more	.030 Elastomer	.060 Elastomer	105		600
SJ	18 – 10	2, 3, 4	.030 Rubber◆	.030 Rubber	60	75, 90	300
SJE	18 – 10	2, 3, 4, 5	.030 Elastomer††	.030 Elastomer	105		300
SJEO	18 – 10	2, 3, 4, 5	.030 Elastomer	.030 Elastomer	105		300
SJO	18 – 10	2, 3, 4	.030 Rubber◆	.030 Oil-Resistant Rubber	60	75, 90, 105	300
SJT	18 – 10	2, 3, 4	.030 Plastic◆	.030 Plastic	60	75, 90, 105	300
SJTO	18 – 10	2, 3, 4	.030 Plastic◆	.030 Plastic	60	75, 90, 105	300
SO	18 – 2	2 or more	.030 Rubber▲	.060 Oil-Resistant Rubber▲	60	75, 90	600
SP-1	18	2 or 3††	.030 Rubber		60		300
SP-2	18 – 16	2 or 3††	.045 Rubber		60		300
SP-3	18 – 12	2 or 3††	.060 Rubber▲		60		300
SPT-1	18	2 or 3††	.030 Plastic		60	75, 90, 105	300
SPT-2	18 – 16	2 or 3††	.045 Plastic		60	75, 90, 105	300
SPT-3	18 – 10	2 or 3††	.060 Plastic▲		60	75, 90, 105	300
ST	18 – 2	2 or more	.030 Plastic▲	.060 Plastic▲	60	75, 90, 105	600
STO	18 – 2	2 or more	.030 Plastic▲	.060 Plastic▲	60	75, 90, 105	600
SV	18	2 or 3††	.015 Rubber	.030 Rubber	60	75, 90	300
SVE	18 – 17	2 or 3††	.015 Elastomer	.030 Elastomer	105		300
SVEO	18 – 17	2 or 3††	.015 Elastomer	.030 Elastomer	105		300
SVO	18	2 or 3††	.015 Rubber	.030 Oil-Resistant Rubber	60	75, 90	300
SVT	18 – 17	2 or 3††	.015 Plastic	.030 Plastic	60	75, 90, 105	300
SVTO	18 – 17	2 or 3††	.015 Plastic	.030 Plastic	60	75, 90, 105	300
TPT	27 (Tinsel)	2	.030 Plastic		60		250
TST	27 (Tinsel)	2	.015 Plastic	.030 Rubber	60		125

* Types SVO, SVTO, SJO, SJTO, SO, STO and HSJO have jackets which are also recognized for oil resistance at maximum temperature of 60°C.
Types SJ, SJO, SJT, SJTO, S, SO, ST and STO may also be made for outdoor use and will be indicated by adding a "W" suffix to the cord type.
Similarly, types SJ, SJTO, SJO, SJT, S, SO, ST and STO may also be made in water-resistant grades with "Water-Resistant" printed on the jacket.
3-wire SJT may be made in special low-leakage constructions for medical equipment cords.

** Where no jacket is shown, the construction is integral or flat style with insulation also serving as jacket.

† For cordage ratings higher than 60°C, the temperature limit is printed on the outside of the jacket. This does not apply to heater cordage type HPN, rated 90°C, or 105°C.

†† Recognized in three conductors when third or center conductor (with Green or Green/Yellow stripe) is used for equipment grounding.

▲ Insulation and jacket thickness depend on cordage size. Thickness as shown are for 18 and 16 AWG.

◆ Insulation and jacket thickness depend on cordage size.
No. 12 AWG requires .030" conductor insulation thickness and .045" jacket thickness.
No. 10 AWG requires .045" conductor insulation thickness and .060" jacket thickness.

The term Elastomer refers to thermoplastic elastomer.

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Belden



10 Fiber Optic Cables



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Please refer to "Terms of Use of Master Catalog" on page 16.30.

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Introduction

The Belden® BelOptix® fiber optic cable line is designed to answer the diverse, and often complex, needs of today's advanced networks. Not only do these cables future-proof your network, they also fully organize your network while protecting it from the environment.

Belden fiber optic cables have become the natural choice for closed circuit television, government network circuitry, factory automation and major commercial networks. In applications such as video conferencing, medical imaging, and CAD/CAM, Belden fiber optics feature unparalleled performance. The cable has become essential for bringing light-speed communication to hospitals, corporate campuses, educational facilities, and more.

Among the many features found in the Belden BelOptix fiber optic cable line are:

- **Ritestrip® II** Ritestrip II 900 micron buffered fiber is designed to consistently and easily strip to 250 microns or down to 125 microns. It expedites preparation for traditional epoxy and crimp-style, direct-connect ST and SC applications. Ritestrip II also improves preparation of mechanical or fusion splicing requirements.
- **LCF™ (Laser Certified Fiber)** The BelOptix line features LCF to handle the new light sources required in short wavelength Gigabit Ethernet systems. The light sources, named VCSEL (Vertical Cavity Surface Emitting Lasers), are designed to operate at the short wavelength of 850nm, the same wavelength as today's LED light sources. Belden's LCF 62.5 and 50 micron multimode fiber ensures compliance with laser technology. The LCF fiber utilizes enhanced bandwidth and tight attenuation limits to meet and exceed the EIA/TIA-TSB72 300 meter backbone length. LCF fiber has been deployed across the entire BelOptix cable series. It is operational with current LED light sources and exceeds FDDI+ performance specifications. LCF is also able to handle low-cost, long wavelength VCSEL light sources.

LCF Lengths for Gigabit Ethernet

Core Size	Wavelengths	SX	LX
62.5	850nm 1300nm	300m N/A	N/A 550m
50.0	850nm 1300nm	600m N/A	N/A 600m

Customer Service

Most of our fiber optic cables are available from stock. Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find a fiber optic cable in this catalog section that meets your technical requirements, contact Technical Support at 1-800-BELDEN-1 for additional information.

In addition, Belden fiber optic cables are provided in standard put-up lengths. A cutting charge will be assessed per item, per cut.

Matchmaker Warranty®

Belden's Matchmaker® Certified Link Warranty provides the freedom to choose a connectivity solution from any UL verified manufacturer of patch panels, wall plates or connectors — in addition to Belden cable. It is a transferable program that provides complete flexibility for network design and the added reassurance that the industry leader in cable is backing your installation for a lifetime. Matchmaker is a Warranty Certification to industry standards ANSI EIA/TIA-568-A (1995) and EN50173 (1995).

Fiber Optic Cable Packaging

Reel Identification

Belden shipping labels provide in-depth cable information. Footage, diameter, fiber count, lot number and UL information are included. Belden can trace each glass fiber all the way back to the drawing process.



Sample reel label

Test Reports

Test reports accompany every reel shipped.

Packaging Information

All standard reels now have our new easy access reel design. Reels 30 inches and smaller will feature the new double flange reel (A) and the larger reels will have protective channels (B) to speed on-site testing and preconnectorization.

All standard reels are protected with a reinforced composite wrap for safe shipment.



A. New double flange featured on all reels 30″ and smaller.



B. Larger reels feature protective channels.

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BitLite® Interconnect Cable

Tight Buffer — Riser- & Plenum-Rated

Product Description

BelOptix® enhanced BitLite interconnect cordage features the Ritestrip® II tight buffer technology for easy cable preparation during termination. Belden's new interconnect cordage has been updated with 62.5 micron LCF™ (Laser Certified Fiber) to handle emerging Gigabit Ethernet light sources and expanded bandwidth requirements as well as conventional LED light sources.

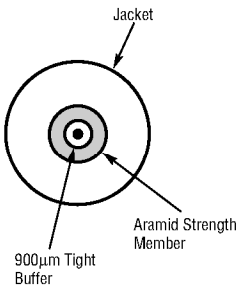
Product Specifications

Fiber Counts	1 and 2
Fiber Size	SM, 50µm, 62.5µm
Buffer Diameter	900µm
Strength Member	Aramid Yarn
Jacket Material	
Riser	PVC
Plenum	Flamarrest®
Flame Test	UL 1666 and NFPA 262
UL Listing NEC/CEC	
Riser	OFNR FT4
Plenum	OFNP FT6
Minimum Bend Radius	
Installation	2″
Long Term	1″
Temperature Range	
Storage	-40 to +75°C
Operating	-20 to +75°C

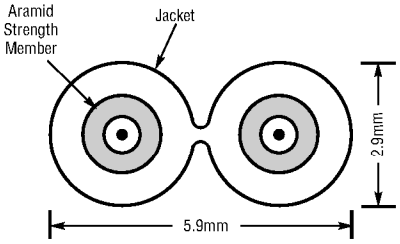
Fiber Specifications

	Multimode	
	50µm	*62.5µm*
Max. Attenuation (dB/km @850/1300nm)	3.5/1.5	3.5/1.0
Min. Bandwidth (MHz-km @850/1300nm)	500/500	220/600
Max. Gigabit Ethernet Distance (m)	600/600	300/550
Numerical Aperture	0.20	0.275
	Single-mode	
Core Diameter	8.3µm	
Mode Field Diameter	9.2µm	
Max. Attenuation (dB/km @1310/1550nm)	0.5/0.5	
Max. Dispersion (Ps/nm-km @1285–1330nm)	3.5	
Max. Dispersion Slope [Ps/(nm²-km)]	0.092	

Simplex



Zip Cord



Part No.	No. of Fibers	Outer Diameter		Weight		Max. Load Installation		Max. Load Long-Term	
		Inch	mm	Lbs./ 1000′	kg/ km	Lbs.	N	Lbs.	N
Riser (NEC/CEC OFNR FT4)									
Single-mode/125/900 Micron (Core/Clad/Coating)									
PTS1001 new	1	.114	2.9	5.6	8.3	106	470	35	156
PTZ1002 new	2	.114 x .23	2.9 x 5.9	9.4	14.0	212	943	70	311
50/125/900 Micron									
PTS5001 new	1	.114	2.9	5.6	8.3	106	470	35	156
PTZ5002 new	2	.114 x .23	2.9 x 5.9	9.4	14.0	212	943	70	311
62.5/125/900 Micron									
PTS6001	1	.114	2.9	5.6	8.3	106	470	35	156
PTZ6002	2	.114 x .23	2.9 x 5.9	9.4	14.0	212	943	70	311
Plenum (NEC/CEC OFNP FT6)									
Single-mode/125/900 Micron (Core/Clad/Coating)									
PTSP101 new	1	.114	2.9	6.3	9.3	106	470	35	156
PTZP102 new	2	.114 x .23	2.9 x 5.9	11.5	17.1	212	943	70	311
50/125/900 Micron									
PTSP501 new	1	.114	2.9	6.3	9.3	106	470	35	156
PTZP502 new	2	.114 x .23	2.9 x 5.9	11.5	17.1	212	943	70	311
62.5/125/900 Micron									
PTSP601	1	.114	2.9	6.3	9.3	106	470	35	156
PTZP602	2	.114 x .23	2.9 x 5.9	11.5	17.1	212	943	70	311

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LANLite® Distribution Cable

Tight Buffer — Indoor Riser- & Plenum-Rated, Gigabit Rated

Product Description

BelOptix® LANLite distribution backbone cables offer Ritestrip® II tight buffer technology for easier fiber stripping in cable preparation. The glass fiber performance has been updated to include LCF™ (Laser Certified Fiber) to handle tomorrow's Gigabit Ethernet light sources and expanded bandwidth requirements.

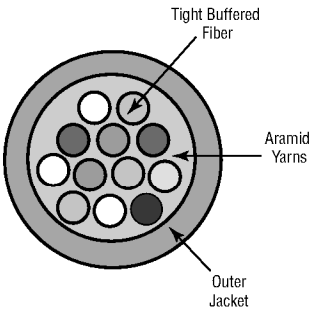
Product Specifications

Fiber Counts	2 through 24
Fiber Size	SM, 50µm, 62.5µm
Buffer Diameter	900µm
Strength Member	Aramid Yarn
Jacket Material	
Riser	PVC
Plenum	Flamarrest®
Flame Test	UL 1666 and NFPA 262
UL Listing NEC/CEC	
Riser	OFNR FT4
Plenum	OFNP FT6
Minimum Bend Radius	
Installation	20 x OD
Long Term	10 x OD
Temperature Range	
Storage	-40 to +70°C
Operating	-20 to +70°C

Fiber Specifications

	Multimode	
	50µm	*62.5µm*
Max. Attenuation (dB/km @850/1300nm)	3.5/1.5	3.5/1.0
Min. Bandwidth (MHz-km @850/1300nm)	500/500	220/600
Max. Gigabit Ethernet Distance (m)	600/600	300/550
Numerical Aperture	0.20	0.275
	Single-mode	
Core Diameter	8.3µm	
Mode Field Diameter	9.2µm	
Max. Attenuation (dB/km @1310/1550nm)	0.5/0.5	
Max. Dispersion (Ps/nm-km @1285–1330nm)	3.5	
Max. Dispersion Slope [Ps/(nm²-km)]	0.092	

LANLite



Part No.	No. of Fibers	Outer Diameter		Weight		Installation Tensile		Long-Term Tensile	
		Inch	mm	Lbs./ 1000′	kg/ km	Lbs.	N	Lbs.	N
Riser (NEC/CEC OFNR FT4)									
Single-mode/125/900 Micron (Core/Clad/Coating)									
PTD1002 new	2	.175	4.4	12	17.6	180	800	45	200
PTD1004	4	.207	5.3	16	23.8	230	1020	69	305
PTD1006	6	.207	5.3	16	23.8	230	1020	69	305
PTD1012	12	.260	6.6	27	40.2	300	1333	100	444
PTD1024	24	.524	13.3	120	179.0	635	2820	225	1000
PTD1036	36	.614	15.6	148	220.0	800	3555	240	1066
50/125/900 Micron									
PTD5002	2	.175	4.4	12	17.6	180	800	45	200
PTD5004	4	.207	5.3	16	23.8	230	1020	69	305
PTD5006 new	6	.207	5.3	16	23.8	230	1020	69	305
PTD5012 new	12	.260	6.6	27	40.2	300	1333	100	444
PTD5024 new	24	.524	13.3	120	179.0	635	2820	225	1000
PTD5036 new	36	.614	15.6	148	220.0	800	3555	240	1066
62.5/125/900 Micron									
PTD6002 new	2	.175	4.4	12	17.6	180	800	45	200
PTD6004	4	.207	5.3	16	23.8	230	1020	69	305
PTD6006	6	.207	5.3	16	23.8	230	1020	69	305
PTD6012	12	.260	6.6	27	40.2	300	1333	100	444
PTD6024	24	.524	13.3	120	179.0	635	2820	225	1000
PTD6036	36	.614	15.6	148	220.0	800	3555	240	1066
Plenum (NEC/CEC OFNP FT6)									
Single-mode/125/900 Micron (Core/Clad/Coating)									
PTDP102	2	.155	3.9	10	15.0	180	800	45	200
PTDP104	4	.190	4.8	32	48.0	230	1020	69	305
PTDP106	6	.190	4.8	32	48.0	230	1020	69	305
PTDP112	12	.250	6.4	38	57.0	300	1333	100	444
PTDP124	24	.508	12.9	104	155.0	635	2820	225	1000
PTDP136 new	36	.606	15.4	171	225.0	800	3555	240	1066
50/125/900 Micron									
PTDP502 new	2	.155	3.9	10	15.0	180	800	45	200
PTDP504	4	.190	4.8	32	48.0	230	1020	69	305
PTDP506 new	6	.190	4.8	32	48.0	230	1020	69	305
PTDP512 new	12	.250	6.4	38	57.0	300	1333	100	444
PTDP524 new	24	.508	12.9	134	200.0	635	2820	225	1000
PTDP536 new	36	.606	15.4	171	225.0	800	3555	240	1066
62.5/125/900 Micron									
PTDP602	2	.155	3.9	10	15.0	180	800	45	200
PTDP604	4	.190	4.8	16	23.8	230	1020	69	305
PTDP606	6	.190	4.8	16	23.8	230	1020	69	305
PTDP612	12	.250	6.4	26	38.7	300	1333	100	444
PTDP624	24	.508	12.9	134	200.0	635	2820	225	1000
PTDP636	36	.606	15.4	171	225.0	800	3555	240	1066

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Breakout Style Cable

Tight Buffer — Indoor/Outdoor Riser- & Plenum-Rated

Product Description

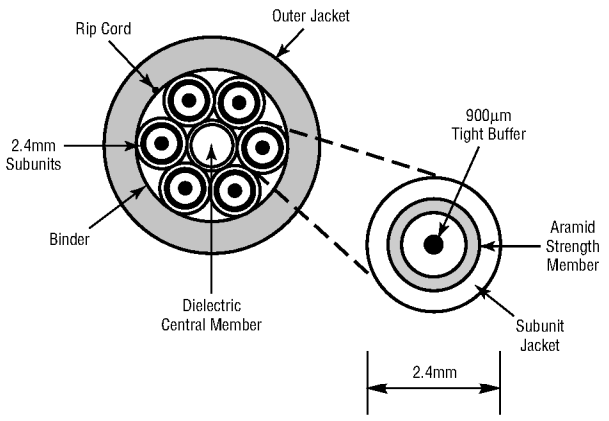
BelOptix® reinforced breakout cables are the preferred selection for direct termination methods. Each EIA colored fiber subunit is protected by a layer of aramid yarn and encased in a PVC jacket. These individual subunits are cabled and then jacketed with a flame resistant PVC compound. Each fiber in the subunit uses the Ritestrip® II tight buffer technology for easier fiber stripping in cable preparation. These cables have been updated to include the LCF™ (Laser Certified Fiber) to handle tomorrow's Gigabit Ethernet light sources and expanded bandwidth requirements.

Product Specifications

Fiber Counts	2 through 12
Fiber Size	50µm, 62.5µm
Buffer Diameter	900µm
Strength Member	Aramid Yarn
Jacket Material	
Riser	PVC
Plenum	Flamarrest®
Flame Test	UL 1666 and NFPA 262
UL Listing NEC/CEC	
Riser	OFNR FT4
Plenum	OFNP FT6
Temperature Range	
Storage	-40 to +70°C
Operating	-20 to +70°C

Fiber Specifications

	Multimode	
	50µm	*62.5µm*
Max. Attenuation (dB/km @850/1300nm)	3.5/1.5	3.5/1.0
Min. Bandwidth (MHz-km @850/1300nm)	500/500	220/600
Max. Gigabit Ethernet Distance (m)	600/600	300/550
Numerical Aperture	0.20	0.275



Part No.	No. of Fibers	Outer Diameter		Weight		Installation Tensile		Long-Term Tensile	
		Inch	mm	Lbs./ 1000′	kg/ km	Lbs.	N	Lbs.	N
Riser (NEC/CEC OFNR FT4)									
50/125/900 Micron (Core/Clad/Coating)									
MTB5002 new	2	.257	6.5	24	35.7	210	930	65	288
MTB5004 new	4	.299	7.6	34	50.7	215	950	75	333
MTB5006 new	6	.373	9.5	63	93.9	380	1685	145	644
MTB5012 new	12	.476	12.1	76	113.2	640	2840	255	1133
62.5/125/900 Micron									
MTB6002	2	.257	6.5	24	35.7	210	930	65	288
MTB6004	4	.299	7.6	34	50.7	215	950	75	333
MTB6006	6	.373	9.5	63	93.9	380	1685	145	644
MTB6012	12	.476	12.1	76	113.2	640	2840	255	1133
Plenum (NEC/CEC OFNP FT6)									
50/125/900 Micron (Core/Clad/Coating)									
MTBP502 new	2	.250	6.4	24	35.8	210	930	65	288
MTBP504 new	4	.293	7.4	36	53.6	215	950	75	333
MTBP506 new	6	.356	9.0	56	83.4	380	1685	145	644
MTBP512 new	12	.461	11.7	84	125.2	640	2840	256	1133
62.5/125/900 Micron									
MTBP602	2	.250	6.4	24	35.8	210	930	65	288
MTBP604	4	.293	7.4	36	53.6	215	950	75	333
MTBP606	6	.356	9.0	56	83.4	380	1685	145	644
MTBP612	12	.461	11.7	84	125.2	640	2840	256	1133

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Single-Jacket, All Dielectric Cable

Product Description

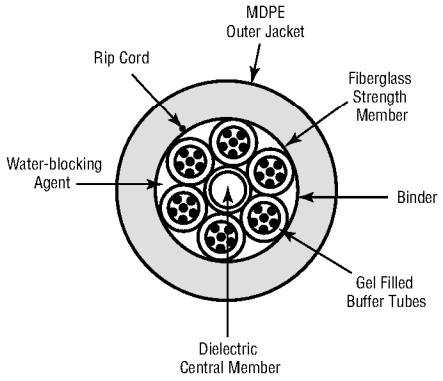
These all-dielectric, loose tube cables are designed for aerial, duct and conduit applications. They feature a durable polyethylene outer jacket. These cables feature Belden's water-blocking agent for a craft-friendly, no mess, hassle-free cable preparation experience. Additionally, these cables utilize LCF™ (Laser Certified Fiber) multimode glass fiber for new expanded bandwidth applications. Higher fiber counts are available. Please contact Belden Technical Support at 1-800-BELDEN-1 for additional information.

Product Specifications

Fiber Counts	2 through 36
Fiber Size	50µm, 62.5µm
Buffer Tube Diameter	2.5mm
Strength Members	Dielectric Central Member/ Fiberglass Yarn
Jacket Material	Medium-density Polyethylene (MDPE)
Temperature Range	
Storage	-40 to +80°C
Operating	-40 to +80°C

Fiber Specifications

	Multimode	
	50µm	*62.5µm*
Max. Attenuation (dB/km @850/1300nm)	3.5/1.0	3.5/1.0
Min. Bandwidth (MHz-km @850/1300nm)	500/500	220/600
Max. Gigabit Ethernet Distance (m)	600/600	300/550
Numerical Aperture	0.20	0.275



Part No.	No. of Fibers	Outer Diameter		Weight		Installation Tensile		Long-Term Tensile	
		Inch	mm	Lbs./ 1000′	kg/ km	Lbs.	N	Lbs.	N
All Dielectric									
50/125/245 Micron (Core/Clad/Coating)									
MLS5002 new	2	.417	10.6	59	88	600	2666	180	800
MLS5004 new	4	.417	10.6	59	88	600	2666	180	800
MLS5006 new	6	.417	10.6	59	88	600	2666	180	800
MLS5008 new	8	.417	10.6	59	88	600	2666	180	800
MLS5012 new	12	.417	10.6	59	88	600	2666	180	800
MLS5018 new	18	.417	10.6	59	88	600	2666	180	800
MLS5024 new	24	.417	10.6	59	88	600	2666	180	800
MLS5036 new	36	.417	10.6	59	88	600	2666	180	800
62.5/125/245 Micron									
MLS6002 new	2	.417	10.6	59	88	600	2666	180	800
MLS6004 new	4	.417	10.6	59	88	600	2666	180	800
MLS6006 new	6	.417	10.6	59	88	600	2666	180	800
MLS6008 new	8	.417	10.6	59	88	600	2666	180	800
MLS6012 new	12	.417	10.6	59	88	600	2666	180	800
MLS6018 new	18	.417	10.6	59	88	600	2666	180	800
MLS6024 new	24	.417	10.6	59	88	600	2666	180	800
MLS6036 new	36	.417	10.6	59	88	600	2666	180	800

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