

**IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF DELAWARE**

COMMSCOPE, INC. OF NORTH	)	
CAROLINA,	)	
	)	
Plaintiff,	)	
	)	
v.	)	C.A. No. 24-427-RGA
	)	
BELDEN INC. and PPC BROADBAND	)	
INC.,	)	
	)	
Defendants.	)	

PLAINTIFF’S INITIAL INFRINGEMENT CONTENTIONS

Pursuant to the Scheduling Order, Plaintiff (“CommScope”) hereby discloses its Initial Infringement Contentions against Defendants. These Infringement Contentions are made with respect to United States Patent No. 9,266,697 (the “Patent-in-Suit”):

This disclosure of Plaintiff’s initial infringement contentions is based on the information reasonably and presently available to Plaintiff. Accordingly, Plaintiff reserves the right to modify, amend, retract, and/or supplement this disclosure as additional evidence and information become available and insofar as is consistent with the Federal Rules of Civil Procedure, the Local Rules of the District of Delaware, the Delaware Default Standard for Discovery, Including Discovery of Electronically Stored Information, and any applicable Orders of the Court.

Subject to these qualifications, and pursuant to Paragraph 4(a) of Delaware’s Default Standard for Discovery, Including Discovery of Electronically Stored Information (“ESI”) and Paragraph 3(h)(i)(a) of the Scheduling Order (D.I. 19), Plaintiff CommScope provides the following Disclosures.

(1) Identification of Asserted Claims

CommScope asserts claims 9, 10, 11, 12, and 13 of United States Patent No. 9,266,697.

To the extent discovery reveals evidence that Defendants are infringing further claims, CommScope intends to assert such claims, as appropriate.

(2) Claim Charts

Exhibit A attached hereto provide Plaintiff's detailed contentions relating each asserted claim limitation to the accused products.

Exhibit A details infringement of U.S. Patent No. 9,266,697 by Defendants' actions relating to its "Perfect Tote Soft Cable Bag," "Miniflex Fiber Cable Bag," "NexReel" reusable reel, and reels of communications cable and cable assemblies sold for use in these products. As identified in Exhibit A, the Defendants have infringed the asserted claims directly and indirectly based on their making, using, selling, offering for sale, and/or importing the Perfect Tote Soft Cable Bag, the Miniflex Fiber Cable Bag, the NexReel reusable reel, and compatible reels of prepackaged copper and fiber communications cable. The payout bags have no substantial non-infringing uses other than to have reels of communications cable positioned in their main compartments for payout as described in Exhibit A. The prepackaged rolls and reels of copper and fiber communications cables compatible with these payout bags have no substantial non-infringing uses other than to be used in the payout bags. Therefore, by making, using, selling, importing, and offering for sale the Perfect Tote Soft Cable Bag and the Miniflex Fiber Cable Bag, Defendants have committed contributory infringement. In addition, by making, using, selling, importing, and offering for sale rolls of cable packaged for use in the Perfect Tote Soft Cable Bag and in the Miniflex Fiber Cable Bag, Defendants have committed contributory infringement. Also, by issuing instructions to its customers how to use these payout bags and these reels of communications cables, e.g., by inserting the compatible reels of communications cables and pulling a loose end of the cables out through a payout passageway in each bag, Defendants have infringed as active inducers.

By comparing representative examples to each claim element, the charts in Exhibit A demonstrate how by their actions relating to making, using, selling, offering for sale, and importing the following products, Defendants have directly and indirectly infringed the asserted claims of Patent No. 9,266,697:

- Perfect Tote Soft Cable Bag (including all variations bearing particular customer logos)
- Perfect Tote 500 Cable Bag (including all variations bearing particular customer logos)
- All cable products packaged or compatible for use with any Perfect Tote cable bag
- 13535-01 (Perfect Tote Soft Cable Bag)
- 14648-01 (500' NexReel)
- 15415-01 (CAT Perfect Tote™ Soft Cable Bag with 500' NexReel)
- PTSCBRR (Perfect Tote Soft Cable Bag with 500' NexReel)
- PTSCBRR-TOOL (Perfect Tote™ Soft Cable Bag with 500' NexReel™, CPT6590 (RG59 & RG6 cable prep tool), and CPT1100 (RG11 cable prep tool)
- All 500' cable coils for use in any above-identified bags (whether on cardboard or plastic reels)
- All Perfect Flex cable for use on NexReel support reel
- All Perfect Link cable for use on NexReel support reel
- All Pre-packaged coils of cable with NexReel Cardboard Packaging
- Pre-packaged 500' coils of cable on cardboard cable reel
- Pre-packaged 500' coils of Perfect Flex cable
- Pre-packaged 500' coils of Perfect Link cable
- P6ET77VVWLFNR (6 Series, Perfect Prep®, Tri-shield, 77% Braid, White PVC Jacket, NEC CATV Rated, Footage Marked, 500 ft Cardboard Packed Coil)
- P6ET77VVLFNR (6 Series, Perfect Prep®, Tri-shield, 77% Braid, Black PVC Jacket, NEC CATV Rated, Footage Marked, 500 ft Cardboard Packed Coil)
- PC5UVXM WHITE0500 (CAT5e, U/UTP, CMR/CMX, Indoor/Outdoor, White, 500 ft with NexReel™ Cardboard Packaging)
- PC5UVXM BLKE0500
- PC5UVXM GRYE0500
- PC6UVXM WHITE0500 (CAT6, U/UTP, CMR/CMX, Indoor/Outdoor, White, 500 ft with NexReel™ Cardboard Packaging)
- PC6UVXM BLKE0500
- PC6UVXM GRYE0500
- PCAFVXG17 BLKR0500 (CAT6A, F/UTP, CMR/CMX, CCS17AWG GROUND, BLACK Reel)
- Miniflex Fiber Cable Bag
- 13535-01-Fiber (PPC/Miniflex Branded Fiber Cable Bag)
- All cabling packaged or compatible for use with the Miniflex Fiber Cable Bag
- Miniflex® cable up to 610 m (2000 ft) for 2 mm and 3 mm and up to 305 m (1000 ft) for 4 mm
- QuikPush® Cable lengths 244 m (800 ft) and longer
- All Miniflex 4 mm cable sold in 1000 ft length (or less)
- All Miniflex 2 mm and 3 mm cable sold in 2000 ft length (or less)
- All Miniflex 4 mm cable sold in 1000 ft lengths (or less)

- All TNCA series 4 mm cable sold in 1000 ft lengths (or less)
- All TNCA series 2 mm and 3 mm cable sold in 2000 ft lengths (or less)
- All QuikPush® (QP series) Cable Assemblies compatible for use with Miniflex Fiber Cable Bag
- Any bags with structures similar to any of the above-listed bags but with different branding.
- Any other PPC or Belden cable bag products that payout cable from a reel of cable mountable within the bag and any cable for use in such bags that have been made, used, sold, distributed, marketed, or offered for sale in the United States or imported by Defendants into the United States.

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Dated: January 24, 2025

Exhibit A – Claim Chart for U.S. Patent No. 9,266,697
Contains Highly Confidential – Outside Counsel’s Eyes Only Information

The chart below relates the Perfect Tote Soft Cable Bag, Miniflex Fiber Cable Bag, NexReel reusable cable reel, and Defendants’ reels of communication cables for use therein to the asserted claims of Patent No. 9,266,697. The asserted claims are claims 9, 10, 11, 12, and 13.

Defendants have infringed the claims identified in the chart below directly and indirectly based on their making, using, selling, offering for sale, and/or importing the Perfect Tote Soft Cable Bag, the Miniflex Fiber Cable Bag, the NexReel reusable reel, and compatible reels of prepackaged copper and fiber communications cable. The payout bags have no substantial non-infringing uses other than to have reels of communications cable positioned in their main compartments for payout as described below. The prepackaged rolls and reels of copper and fiber communications cables compatible with these payout bags have no substantial non-infringing uses other than to be used in the payout bags as described below. Therefore, by making, using, selling, importing, and offering for sale the Perfect Tote Soft Cable Bag and the Miniflex Fiber Cable Bag, Defendants have committed contributory infringement. In addition, by making, using, selling, importing, and offering for sale rolls of cable packaged for use in the Perfect Tote Soft Cable Bag and in the Miniflex Fiber Cable Bag, Defendants have committed contributory infringement. Also, by issuing instructions to its customers how to use these payout bags and these reels of communications cables by inserting the compatible reels of communications cables, Defendants have infringed as active inducers.

The evidence and arguments cited in these charts are exemplary and not intended to be exhaustive. CommScope reserves the right to rely on additional evidence.

In the chart below, the bracketed element designations that begin each claim element have been added for ease of reference. Also, the annotations in red and yellow highlighting have been added for identification and clarity. All annotations throughout are merely for general demonstrative purposes and are not limiting or a statement about claim construction.

By comparing representative examples to the claim elements the following charts demonstrate how by their actions relating to making, using, selling, offering for sale, and importing the following products, Defendants have directly and indirectly infringed the asserted claims of Patent No. 9,266,697:

- Perfect Tote Soft Cable Bag (including all variations bearing particular customer logos)
- Perfect Tote 500 Cable Bag (including all variations bearing particular customer logos)
- All cable products packaged or compatible for use with any Perfect Tote cable bag
- 13535-01 (Perfect Tote Soft Cable Bag) (including all variations bearing particular customer logos)
- 14648-01 (500’ NexReel)

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- 15415-01 (CAT Perfect Tote™ Soft Cable Bag with 500’ NexReel) (including all variations bearing particular customer logos)
- PTSCBRR (Perfect Tote Soft Cable Bag with 500’ NexReel) (including all variations bearing particular customer logos)
- PTSCBRR-TOOL (Perfect Tote™ Soft Cable Bag with 500’ NexReel™, CPT6590 (RG59 & RG6 cable prep tool), and CPT1100 (RG11 cable prep tool) (including all variations bearing particular customer logos)
- All 500’ cable coils for use in any above-identified bags (whether on cardboard or plastic reels)
- All Perfect Flex cable for use on NexReel support reel
- All Perfect Link cable for use on NexReel support reel
- All Pre-packaged coils of cable with NexReel Cardboard Packaging
- Pre-packaged 500’ coils of cable on cardboard cable reel
- Pre-packaged 500’ coils of Perfect Flex cable
- Pre-packaged 500’ coils of Perfect Link cable
- P6ET77VVWLFNR (6 Series, Perfect Prep®, Tri-shield, 77% Braid, White PVC Jacket, NEC CATV Rated, Footage Marked, 500 ft Cardboard Packed Coil)
- P6ET77VVLFR (6 Series, Perfect Prep®, Tri-shield, 77% Braid, Black PVC Jacket, NEC CATV Rated, Footage Marked, 500 ft Cardboard Packed Coil)
- PC5UVXM WHITE0500 (CAT5e, U/UTP, CMR/CMX, Indoor/Outdoor, White, 500 ft with NexReel™ Cardboard Packaging)
- PC5UVXM BLKE0500
- PC5UVXM GRYE0500
- PC6UVXM WHITE0500 (CAT6, U/UTP, CMR/CMX, Indoor/Outdoor, White, 500 ft with NexReel™ Cardboard Packaging)
- PC6UVXM BLKE0500
- PC6UVXM GRYE0500
- PCAFVXG17 BLKR0500 (CAT6A, F/UTP, CMR/CMX, CCS17AWG GROUND, BLACK Reel)
- Miniflex Fiber Cable Bag
- 13535-01-Fiber (PPC/Miniflex Branded Fiber Cable Bag)
- All cabling packaged or compatible for use with the Miniflex Fiber Cable Bag
- Miniflex® cable up to 610 m (2000 ft) for 2 mm and 3 mm and up to 305 m (1000 ft) for 4 mm
- QuikPush® Cable lengths 244 m (800 ft) and longer
- All Miniflex 4 mm cable sold in 1000 ft length (or less)
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- All Miniflex 4 mm cable sold in 1000 ft lengths (or less)
- All TNCA series 4 mm cable sold in 1000 ft lengths (or less)

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- All TNCA series 2 mm and 3 mm cable sold in 2000 ft lengths (or less)
- All QuikPush® (QP series) Cable Assemblies compatible for use with Miniflex Fiber Cable Bag
- Any bags with structures similar to any of the above-listed bags but with different branding.
- Any other PPC or Belden cable bag products that payout cable from a reel of cable mountable within the bag and any cable for use in such bags that have been made, used, sold, distributed, marketed, or offered for sale in the United States or imported by Defendants into the United States.

Claim Language	Identification of Elements
[Claim 10 – Preamble] 10. A communications cable payout bag, comprising:	The Perfect Tote Soft Cable Bag is a communication cable payout bag. The data sheet, for example, describes it as a “cable bag” with an “opening for smooth cable payout.” See, e.g., Exhibit B to the Complaint. Defendants admit that the Perfect Tote Soft Cable Bag is a communication cable payout bag and satisfies the preamble of claim 10. See Amended Complaint at ¶¶25-26.

The Miniflex Fiber Cable Bag is also a communications cable payout bag. The spec sheet describes the product as a “bag” and that “This bag allows...fiber cable payout...” See, e.g., Exhibit D to the Complaint; BDC_CB0000041.

Miniflex® Fiber Cable Bag



Features & Benefits

- Padded shoulder strap with reinforced connection
- Custom company logo available
- Tool pouches
- Frame and hub included
- Cable gripper
- Moisture-resistant rubber feet
- Zero waste spooling – consumables of the bag are made of recyclable cardboard



Compatibility

- Miniflex® up to 610 m (2000 ft) for 2 mm and 3 mm. Up to 305 m (1000 ft) for 4 mm
- QuikPush® lengths 244 m (800 ft) and longer

Overview

The Miniflex Fiber Bag is a stylish, durable solution to organize and manage cable payout at the point of install. Its all-in-one, thoughtful design improves installation efficiency and helps to ensure a clean, problem-free deployment.

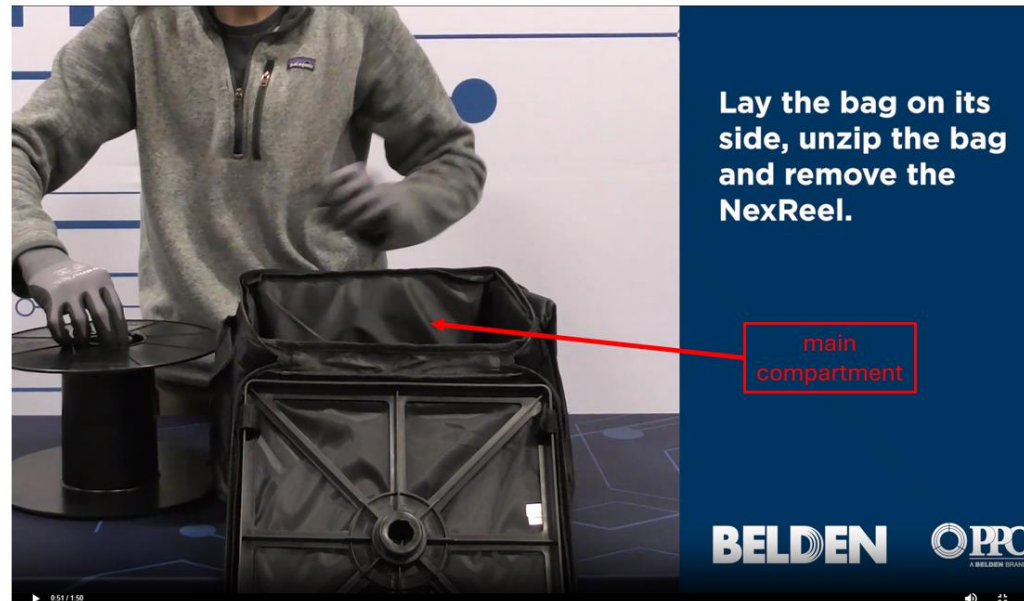
The Miniflex Fiber Bag has a shoulder strap, tool pouches, tablet pouch, and cable gripping member that holds cable in place and reduces backspooling. This bag allows up to 610 m (2000 ft) (3 mm cable) of fiber cable payout and reduces waste by featuring modular recyclable cardboard spools. Once the spool is empty, simply open the bag door, replace the spool and continue to payout.

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[Element 10A]

a main compartment constructed of a flexible material, the main compartment having an interior and an exterior, the main compartment being openable and closable;

The Perfect Tote Soft Cable Bag has a main compartment constructed of a soft, flexible material. The main compartment has an interior and an exterior, and being openable and closable.



See, e.g., “Perfect Flex NexReel™ & Perfect Tote™ Installation” at <https://www.ppc-online.com/product-search/perfecttote-13535-01>. See also <https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote> (“Perfect Link NexReel & Perfect Tote Installation”) ¹

¹ All annotations throughout are merely for general demonstrative purposes and are not limiting or a statement about claim construction.

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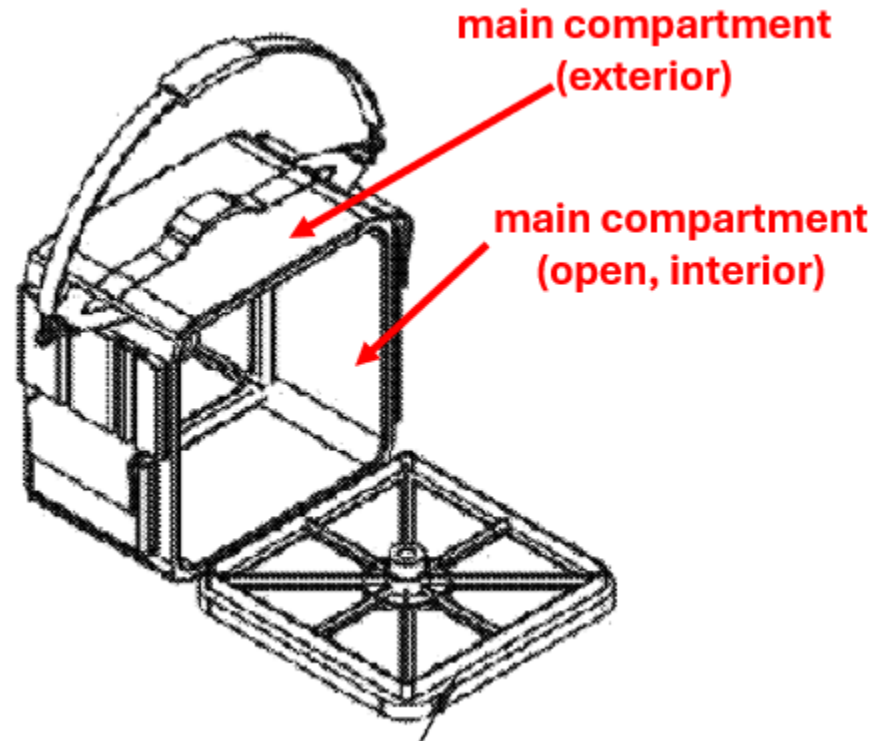
Open the Perfect Tote™ bag and
remove the 500' NexReel™.

See, e.g., Ex. C to the Complaint; BDC_CB0000042 (Perfect Tote).

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See, e.g., Exhibit B to the Complaint (shown above with main compartment closed)(Perfect Tote).



See, e.g., BDC_CB0000021 (Perfect Tote).

Defendants admit that the Perfect Tote Soft Cable Bag has a main compartment constructed of a flexible material, the main compartment having an interior and an exterior, the main compartment being openable and closable and that the Perfect Tote Soft Cable Bag satisfies Element 10A. See Amended Complaint at ¶¶27-28.

The Miniflex Fiber Cable Bag also includes a main compartment constructed of a flexible material, the main compartment having an interior and an exterior, the main compartment being openable and closable.

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See, e.g., Exhibit D to the Complaint (showing Miniflex cable bag made of flexible material); BDC_CB0000041 (Miniflex).

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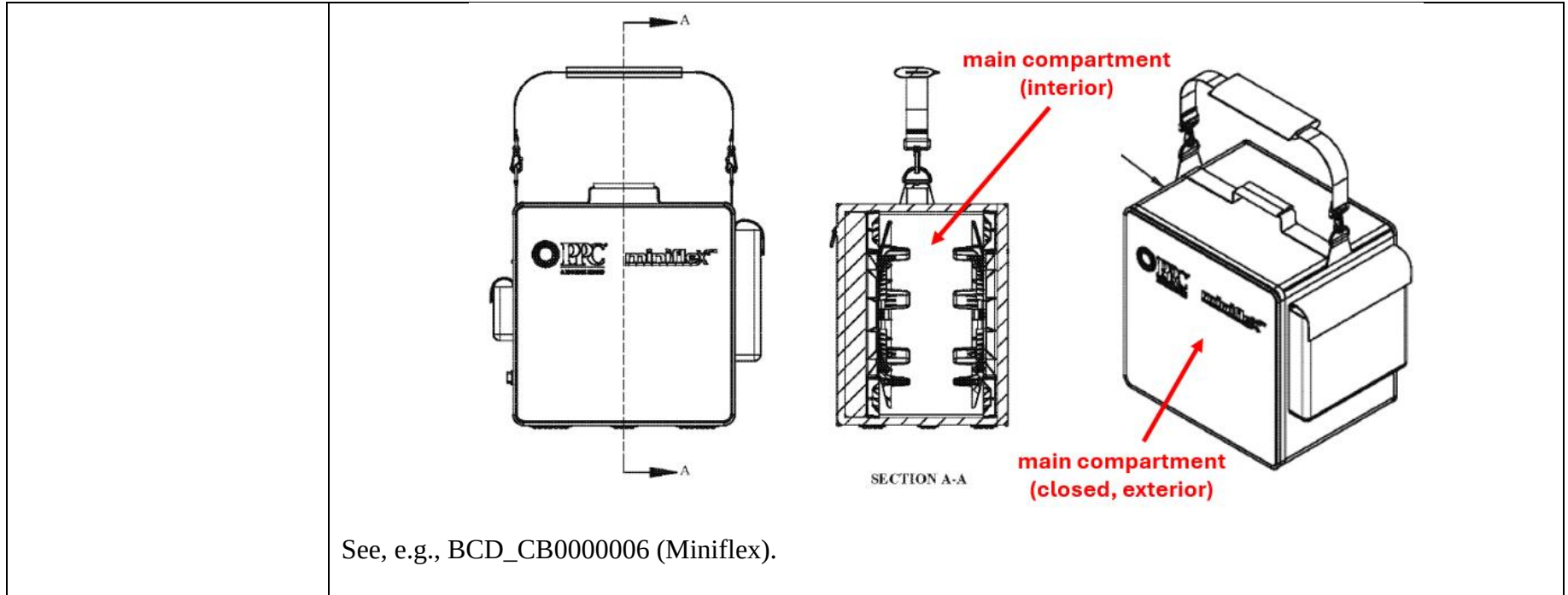
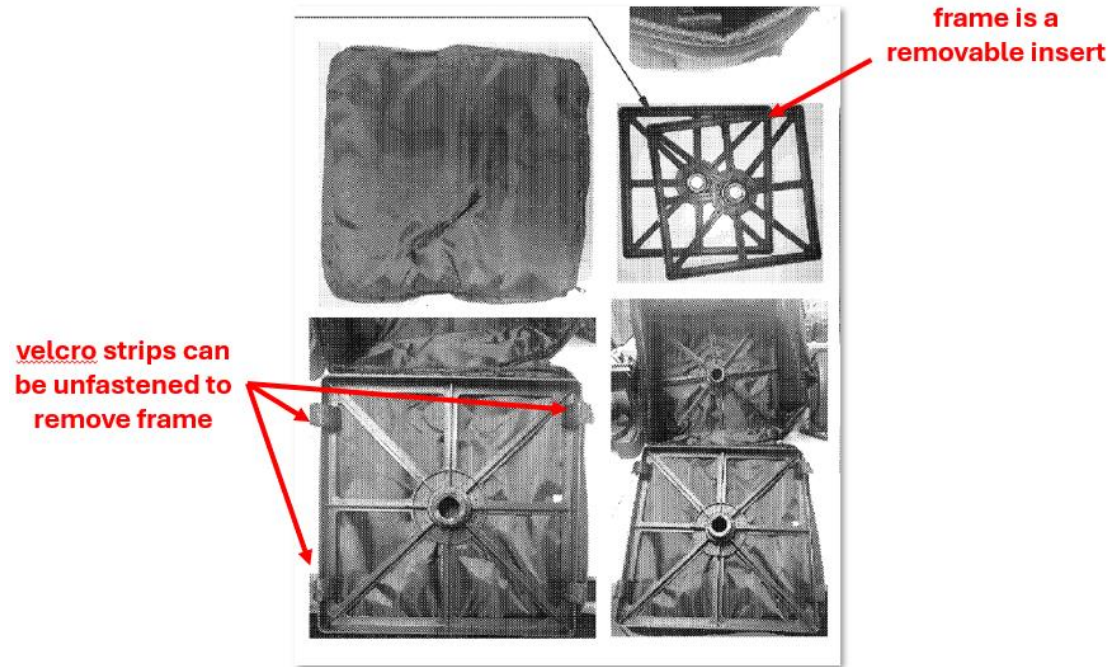


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	Step 1  Unzip the cable bag and flip the top open See, e.g., Exhibit E to the Complaint; BDC_CB0000040 (Miniflex).
[Element 10B] a removable insert within the interior of the main compartment;	The Perfect Tote Soft Cable Bag has removable inserts within the interior of the main compartment. The plastic frames are removable inserts. They can be completely removed from the bag by releasing the Velcro straps that hold them to the bag. Also one of the frames (the frame on the openable cover) is removed from the main compartment of the bag each time the compartment is opened to insert a reel of cable.

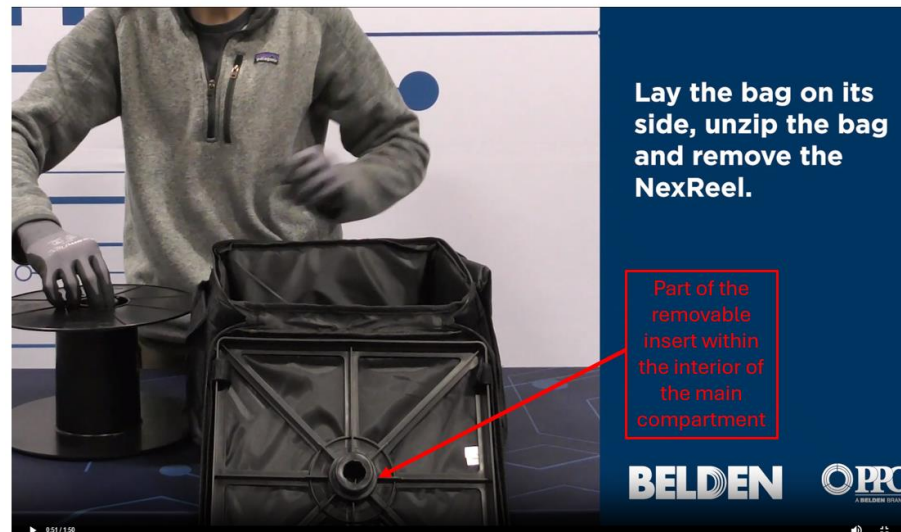
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See, e.g., BDC_CB000003 (Perfect Tote)

- 3). CLOSE SIDE POCKET.
- 4). PLACE PAD INTO BOTTOM OF CABLE BAG AND POSITION VELCRO SO THAT IT IS READILY ACCESSIBLE.
- 5). PLACE FRAME INTO BOTTOM OF CABLE BAG WITH FRAME HUB STICKING UP (AS SHOWN), ON TOP OF PAD, AND FASTEN FRAME WITH VELCRO.
- 6). PLACE FRAME ONTO INSIDE OF CABLE BAG LID, WITH FRAME HUB STICKING UP, (AS SHOWN) AND FASTEN WITH VELCRO.
- 7). ZIP CABLE BAG CLOSED.

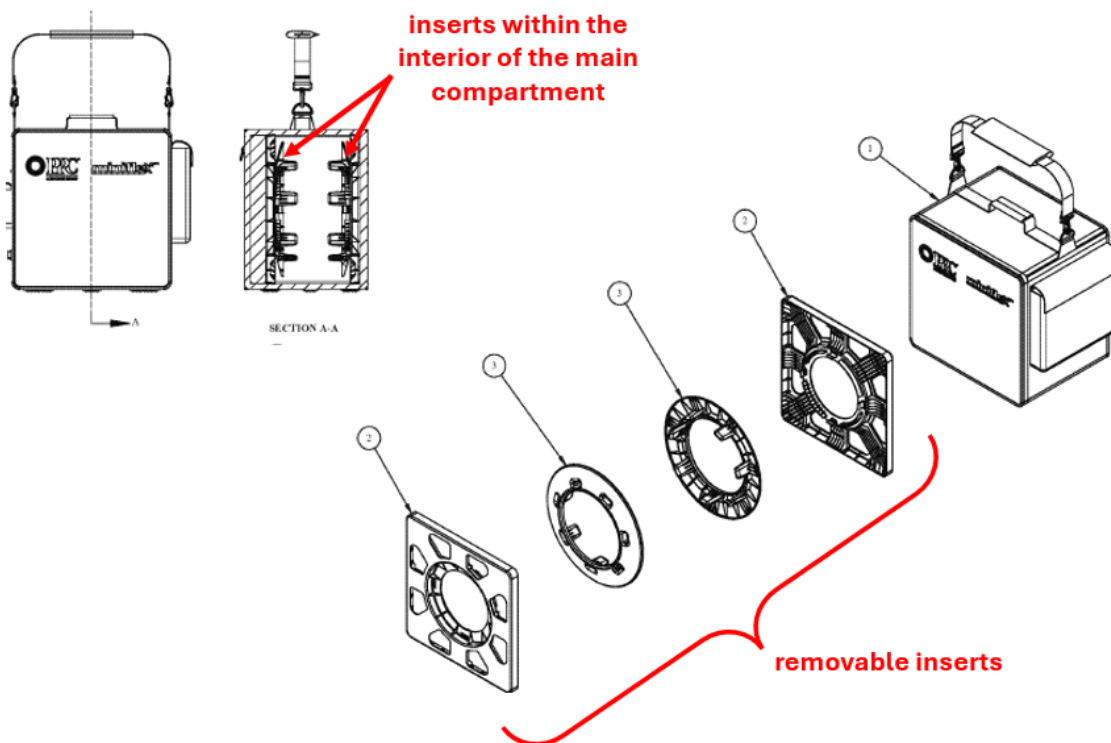
See, e.g., BDC_CB000003 (Perfect Tote).



See, e.g., “Perfect Flex NexReel™ & Perfect Tote™ Installation” at <https://www.ppc-online.com/product-search/perfecttote-13535-01>. See also <https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote> (“Perfect Link NexReel & Perfect Tote Installation”).

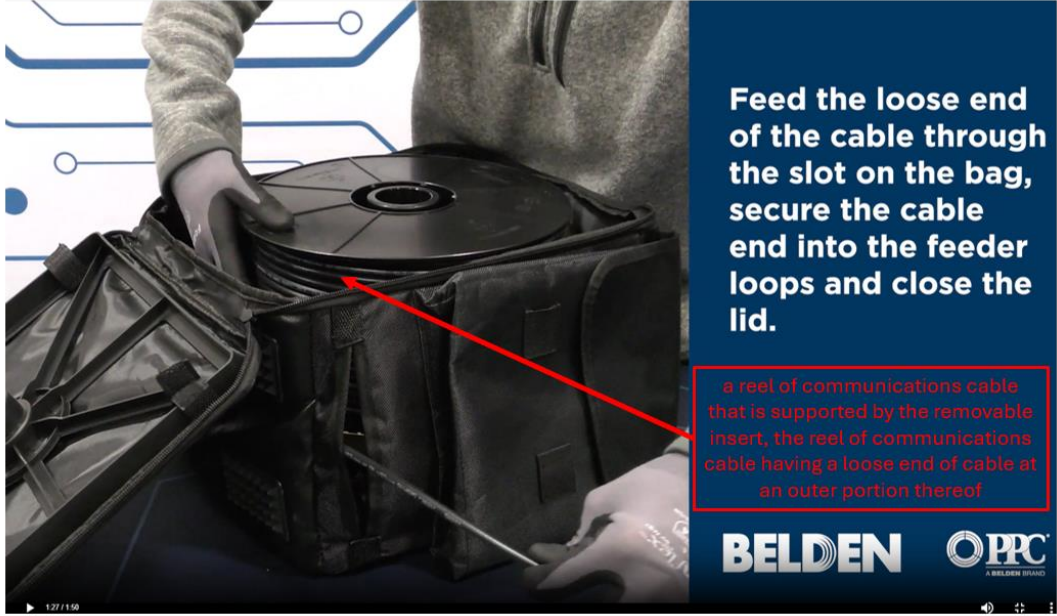
Similarly, the Miniflex Fiber Cable bag has removable inserts within the interior of the main compartment. The plastic frames and hubs are removable inserts. They can be completely removed from the bag by releasing the Velcro straps that hold them to the bag. Also one of the frames with a hub (the frame on the openable cover) is removed from the main compartment of the bag each time the compartment is opened to insert a reel of cable.

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See, e.g., See, e.g., BDC_CB000006 (Miniflex).

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[Element 10C] a reel of communications cable that is supported by the removable insert, the reel of communications cable having a loose end of cable at an outer portion thereof;	The Perfect Tote Soft Cable Bag shown in Defendants’ marketing and instruction materials has a cylindrical reel of communications cable that is supported by the central hub of the removable frames (removable inserts). For example, a roll of communications cable is placed on the NexReel reusable plastic reel and positioned on the central hub of the frames in the bag to allow the reel of cable to rotate and pay out the outer loose end of the roll of cable.  See, e.g., “Perfect Flex NexReel™ & Perfect Tote™ Installation” at https://www.ppc-online.com/product-search/perfecttote-13535-01. See also https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote (“Perfect Link NexReel & Perfect Tote Installation”)
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5



Place the 500' NexReel into the Perfect Tote bag. Note "This Side Up" on the top of the 500' NexReel.

See, e.g., Exhibit C to the Complaint; BDC_CB0000042.

As seen in the image above, Defendants have directly infringed by placing a reel of communications cable (e.g., using the NexReel reusable reel) into the Perfect Tote Soft Cable Bag, have made video of doing so, and have published the video as well as instructions for its customers to position a reel of communications cable inside the main compartment of the Perfect Tote Bag, supporting the reel of cable on the center hub of the removable frame inserts. The center hubs of the frame inserts allow the reel of cable to rotate, paying out cable as the loose end of cable at an outer portion of the reel of cable is pulled out of the bag.

Defendants also indirectly infringe by contributory infringement and under active inducement. Defendants contribute to infringement because its cable payout bags and the relevant features are not staple articles of commerce suitable for substantial non-infringing uses. As identified in this chart, Defendants’ products are a material part of the invention of the asserted claims. There is no substantial non-infringing use for the Perfect Tote Soft Cable Bag with the features identified herein other than to include a reel of communications cable inside the main compartment supported by the central hubs of the frame pieces and to payout cable from the reel of cable. Customers and users of the Defendants’ communication cable payout bag directly infringe by placing the reel of cable inside the cable bag supported on the frame hubs. Defendants actively induce infringement because it directly encourages its customers to place a reel of communications cable inside the

bag supported on the frame hubs in a way that results in infringement by, among other things, displaying and distributing product materials and videos and selling the matching cable reels. See, e.g., Ex. B-E to the Complaint and “Perfect Flex NexReel™ & Perfect Tote™ Installation” at <https://www.ppc-online.com/product-search/perfecttote-13535-01>. See also <https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote> (“Perfect Link NexReel & Perfect Tote Installation”); Exhibit C to the Complaint (“Place the cardboard cable packaging onto the 500’ NexReel...Place the 500’ NexReel into the Perfect Tote Bag....Feed the cable end through the open side of the bag and through the storage loop...”); BDC_CB0000042.

Defendants make and sell rolls of communications cable as well as the NexReel reusable reel for positioning a roll of communications cable within the main compartment of the Perfect Tote Cable Bag so that the hubs of the frames will support the reel of cable. Defendants also indirectly infringe by making, using, offering for sale, and/or importing rolls of communications cable packaged in dimensions for use on a NexReel within the Perfect Tote Soft Cable Bag. There is no substantial non-infringing use for a roll of cable to be pre-packaged for use in this payout bag (e.g., “with NexReel Cardboard Packaging”) other than to be inserted into the bag (e.g., on the NexReel reusable reel) as described above. These reels of cable include, for example, without limitation cables packaged using the “CABLE PACKAGING ASSEMBLY, 500’ SPOOL” shown in BDC_CB0000020; and all Perfect Flex cable for use on NexReel support reel; all Perfect Link cable for use on NexReel support reel; all pre-packaged 500’ coils of cable on cardboard cable reel; all pre-packaged 500’ coils of Perfect Flex cable; all pre-packaged 500’ coils of Perfect Link cable; P6ET77VWLFNR (6 Series, Perfect Prep®, Tri-shield, 77% Braid, White PVC Jacket, NEC CATV Rated, Footage Marked, 500 ft Cardboard Packed Coil); P6ET77VVLFR (6 Series, Perfect Prep®, Tri-shield, 77% Braid, Black PVC Jacket, NEC CATV Rated, Footage Marked, 500 ft Cardboard Packed Coil); PC5UVXM WHITE0500 (CAT5e, U/UTP, CMR/CMX, Indoor/Outdoor, White, 500 ft with NexReel™ Cardboard Packaging); PC5UVXM BLKE0500; PC5UVXM GRYE0500; PC6UVXM WHITE0500 (CAT6, U/UTP, CMR/CMX, Indoor/Outdoor, White, 500 ft with NexReel™ Cardboard Packaging); PC6UVXM BLKE0500; PC6UVXM GRYE0500; PCAFVXG17 BLKR0500 (CAT6A, F/UTP, CMR/CMX, CCS17AWG GROUND, BLACK Reel).



Packaged Cable



Pre-installed Cardboard Reel



Cardboard Reel

See, e.g., Exhibit C to the Complaint; https://www.ppc-online.com/hubfs/Downloadable_docs/Spec_sheets/Category_Cable/nexreel-perfect-link_spec-sheet.pdf (“Reusable NexReel Solution Perfect Link”) (“NexReel Cardboard Packaged Cable”)

The Miniflex cable bag shown in Defendants’ marketing and instructional materials has a reel of (fiber) communications cable that is supported by the frame/hub removable inserts. The hubs include inward projecting tabs that mate with a matching pattern of notches in reels of fiber cable to support the reel of cable inside the bag and allow the reel of cable to rotate and pay out the outer loose end of the cable.

Step 2



Insert the fiber reel so the tabs on the bottom of the bag fit into the notches on the reel

Step 3



Pull the loose end of the fiber and thread it through the opening on the side of the bag

See, e.g., Exhibit E to the Complaint (“Insert the fiber reel so that the tables on the bottom of the bag fit into the notches on the reel. ...Zip the bag closed, ensuring the tables on the bag flap fit into the spool to complete the install.”); BDC_CB0000040.

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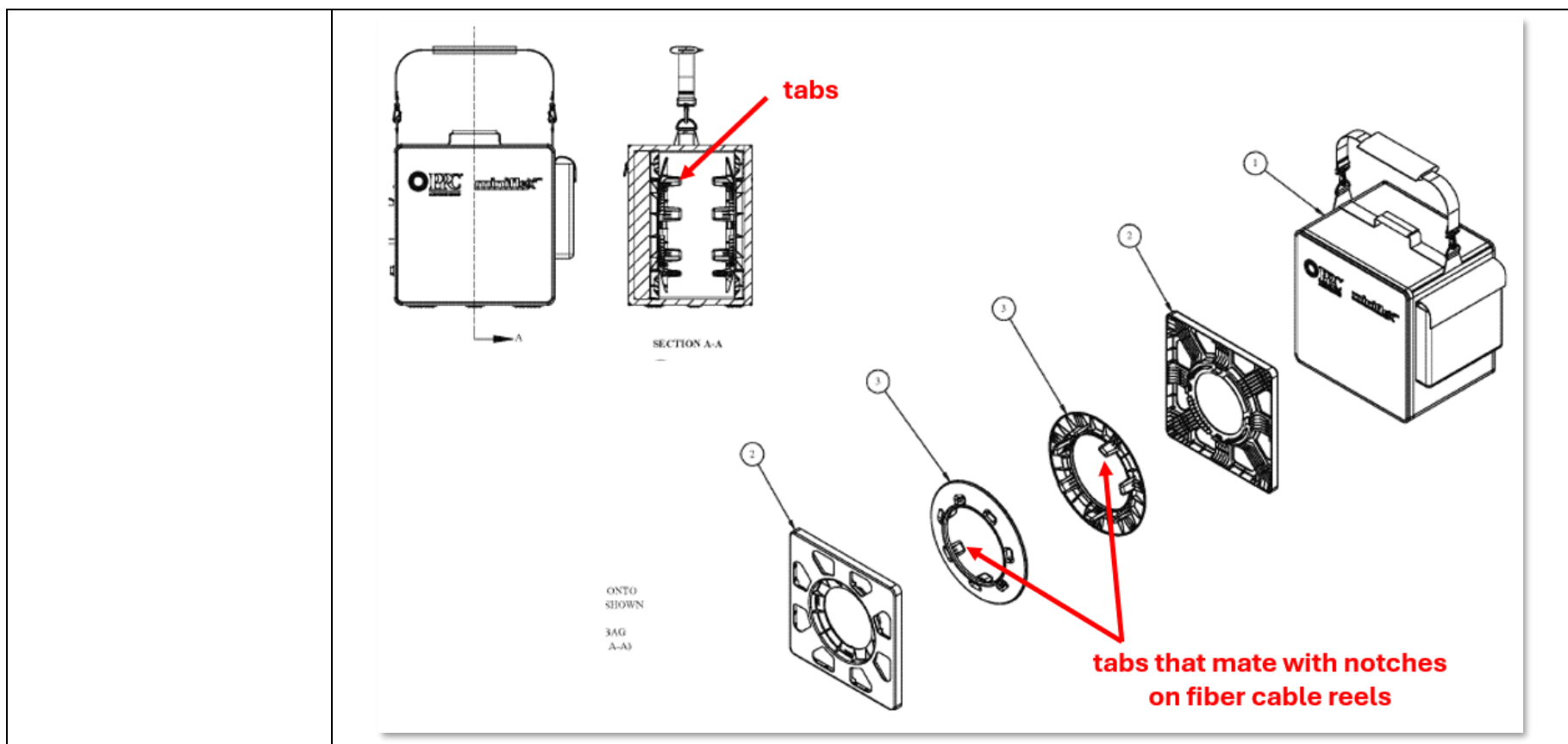
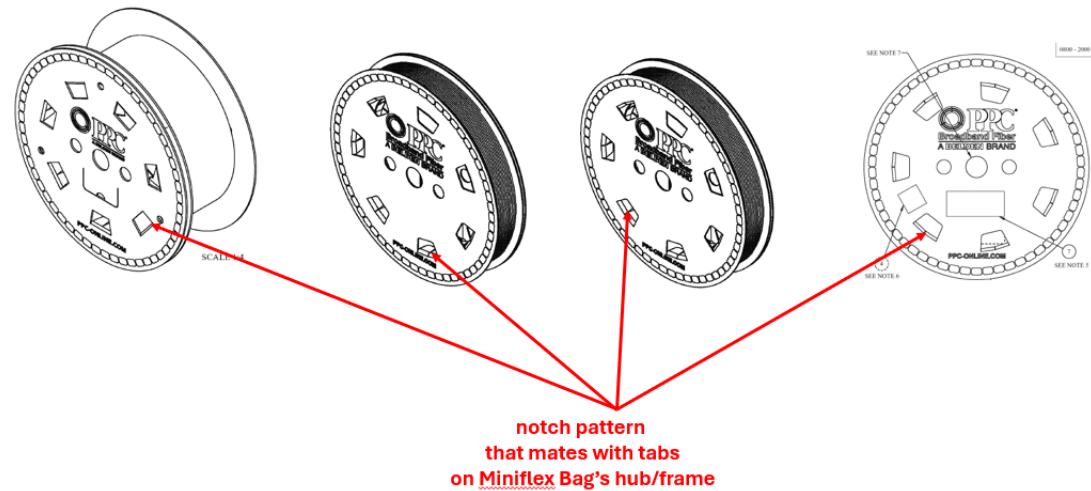


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See, e.g., BDC_CB0000002; BDC_CB0000031; BDC_CB0000034; BDC_CB0000038.

Compatibility

- Miniflex® up to 610 m (2000 ft) for 2 mm and 3 mm. Up to 305 m (1000 ft) for 4 mm
- QuikPush® lengths 244 m (800 ft) and longer

See, e.g., BDC_CB0000041.

As shown, for example, in the images of “Step 2” and “Step 3” above, Defendants have directly infringed by placing a reel of fiber cable into the Miniflex cable bag and supporting the reel of cable using the tabs of the inserted frame/hub members. The hubs of the frame inserts allow the reel of fiber cable to rotate, paying out cable as the loose end of cable at an outer portion of the reel is pulled out of the bag. See, e.g., Exhibit E to the Complaint (“Insert the fiber reel so that the tables on the bottom of the bag fit into the notches on the reel. ...Zip the bag closed, ensuring the tables on the bag flap fit into the spool to complete the install.”); BDC_CB0000040.

	Customers and users of the Defendants’ Miniflex cable payout bag also directly infringe by placing the reel of cable inside the cable bag supported on the frames in the bags. Defendants also indirectly infringe by contributory infringement and under active inducement. Defendants contribute to infringement because its Miniflex cable payout bags and matching reels of Miniflex and Quikpush cable and specifically the relevant features discussed herein are not staple articles of commerce suitable for substantial non-infringing uses. Defendants’ products are a material part of the invention of the asserted claims. There is no substantial non-infringing use for the Miniflex cable bag with the frame, hub, and cable payout passageway features identified herein other than to have a reel of communications cable placed inside the main compartment of the Miniflex bag and supporting it using the hubs/frame pieces via matching notch/tab patterns and to payout the free end of cable. By making, using, selling, offering for sale, and importing the Miniflex fiber cable bag Defendants have infringed this claim under contributory infringement. Defendants also sell lengths of Miniflex and Quikpush fiber cables on cardboard reels having notch patterns in the reels that match the pattern of tabs on the removable frame/hubs of the Miniflex bag. See, e.g., BDC_CB0000002 (“CARDBOARD REEL 380x290x150-FLOATFLANGE”); BDC_CB0000031; BDC_CB0000032 (assembly with “CARDBOARD REEL 380x275x30-FLOATFLANGE” or assembly with “CARDBOARD REEL 380x275x60-FLOATFLANGE”), BDC_CB0000034; BDC_CB0000035 (assembly with “CARDBOARD REEL 380x275x150-FLOATFLANGE”), BDC_CB0000038. The notch patterns in the cardboard reels are for positioning the reel of fiber cable within the main compartment of the Miniflex cable bag so that the hubs/frames will support the reel of cable as described herein. There is no substantial non-infringing use for reels of fiber cable packaged with cardboard reels having notch patterns that match the tab pattern of the Miniflex cable bag other than to be placed inside the main compartment of a Miniflex fiber cable bag and supported on the frame/hubs tabs for payout from the cable bag. Therefore, Defendants have infringed under contributory infringement by making, using, selling, offering for sale and importing its reels of fiber cables configured for use in the Miniflex cable bags (e.g., having cardboard reels with notch patterns that match the pattern of tabs on the Miniflex frame/hub inserts). These include but are not limited to all such fiber cable or fiber cable assemblies packaged or compatible for use with the Miniflex Fiber Cable Bag, including, without limitation Miniflex® cable (e.g., 2mm, 3mm, 4mm Miniflex cable); QuikPush® cable; all such TN series or TNCA series 2mm, 3mm, and 4 mm cable; all QuikPush® cable assemblies compatible for use with Miniflex fiber cable bag (see, e.g., BDC_CB0000031 (“2 MM BALISTEX QUIKPUSH ASSEMBLY”), BDC_CB0000034 (“3 MM BALISTIX QUIKPUSH ASSEMBLY”), all Miniflex cable assemblies (e.g., 2mm and 3mm Miniflex cable assemblies); and any other fiber cable or fiber cable assemblies sold on cardboard reels having a notch pattern that matches the hubs of the Miniflex bag.
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	Defendants have also published instructions for its customers to position Defendants’ reels of fiber cable inside the main compartment of the Miniflex cable bag, supporting the reel of cable on the hubs of the removable inserts using the tab and notch design. Therefore, Defendants actively induce infringement because it directly encourages its customers to place a reel of communications cable inside the bag supported on the frame/hubs in a way that results in infringement by, among other things, displaying and distributing product instructions and selling the matching cable reels. See, e.g., Exhibit E to the Complaint and BDC_CB0000040 (“Insert the fiber reel so the tabs on the bottom of the bag fit into the notches on the reel... Pull the loose end of the fiber and thread it through the opening on the side of the bag”)
[Element 10D] a shoulder strap attached to the exterior of the main compartment;	Both the Perfect Tote Soft Cable Bag and the Miniflex fiber cable bag include a shoulder strap attached to the exterior of the main compartment.  See, e.g., “Perfect Flex NexReel™ & Perfect Tote™ Installation” at https://www.ppc-online.com/product-search/perfecttote-13535-01. See also https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote (“Perfect Link NexReel & Perfect Tote Installation”).

Perfect Tote™ Soft Cable Bag

Features & Benefits

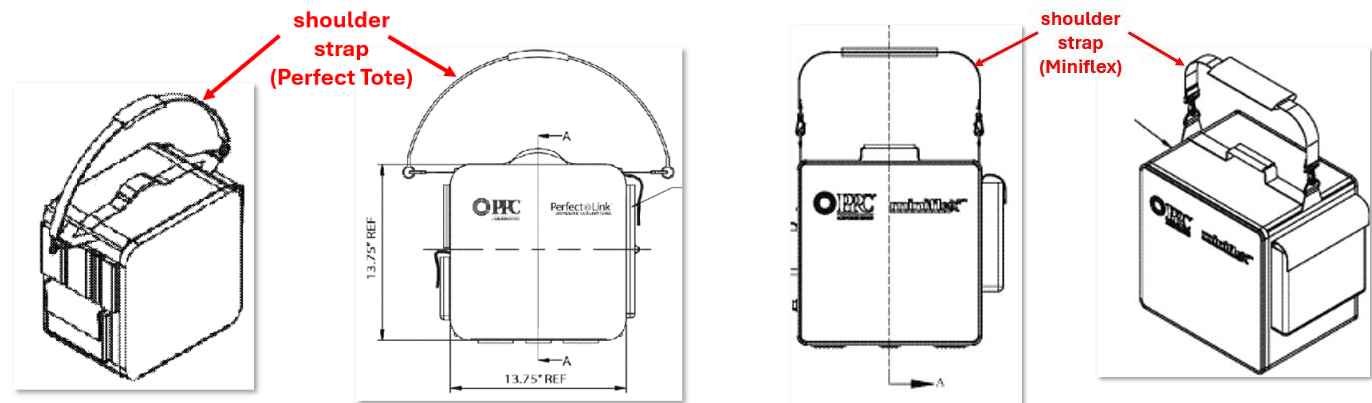
- Padded shoulder strap with reinforced connection

Miniflex® Fiber Cable Bag

Features & Benefits

- Padded shoulder strap with reinforced connection

See, e.g., Exhibits B, D to the Complaint; BDC_CB0000014; BDC_CB0000041.



See, e.g., BDC_CB0000021; BDC_CB0000006.

The Defendants admit the Perfect Tote Soft Cable Bag has a shoulder strap attached to the exterior of the main compartment and that the Perfect Tote Soft Cable Bag satisfies Element 10D. See Amended Complaint at ¶¶33-34.

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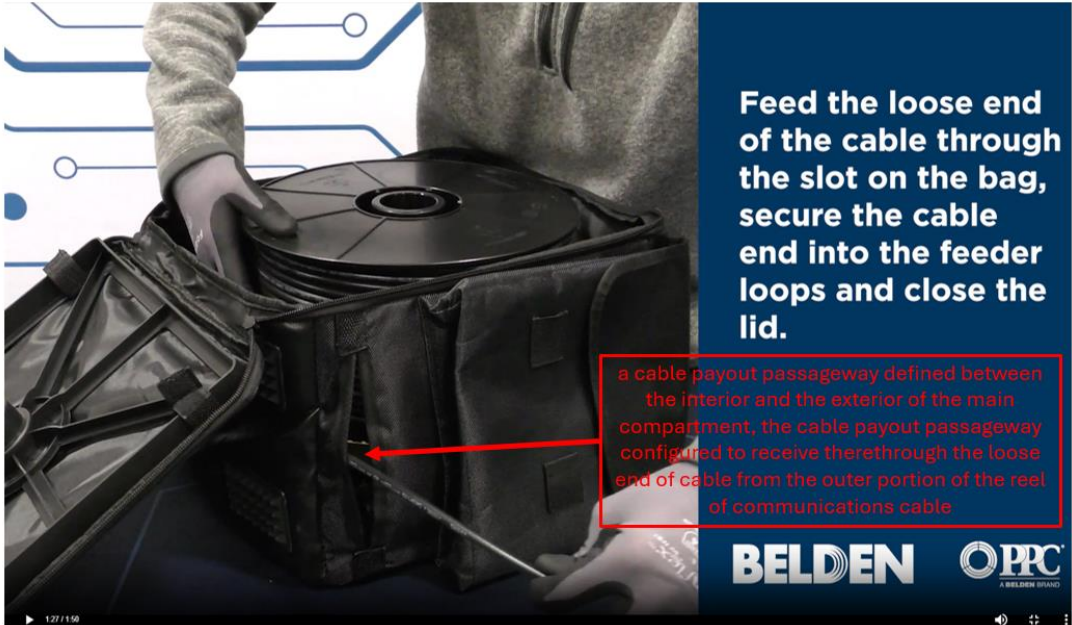
[Element 10E] a cable payout passageway defined between the interior and the exterior of the main compartment, the cable payout passageway configured to receive therethrough the loose end of cable from the outer portion of the reel of communications cable; and	Both the Perfect Tote Soft Cable Bag and the Miniflex fiber cable bag include a cable payout passageway defined between the interior and the exterior of the main compartment, the cable payout passageway configured to receive therethrough the loose end of cable from the outer portion of the reel of communications cable.  See, e.g., “Perfect Flex NexReel™ & Perfect Tote™ Installation” at https://www.ppc-online.com/product-search/perfecttote-13535-01. See also https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote (“Perfect Link NexReel & Perfect Tote Installation”).
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Exhibit A – Claim Chart for U.S. Patent No. 9,266,697
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**cable payout
passageway
(Perfect Tote)**



**cable payout
passageway
(Miniflex)**

Pull the loose end of the fiber and thread it through the opening on the side of the bag

See, e.g., Exhibits C, E to the Complaint; BDC_CB0000042; BDC_CB0000040.

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See, e.g., Exhibit B to the Complaint (“Opening for smooth cable payout”)(Perfect Tote);

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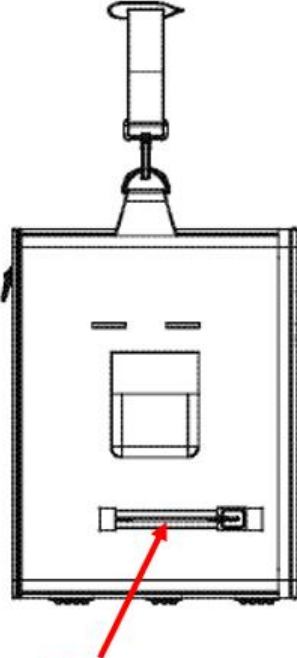
	 BDC_CB0000006 (Miniflex). The Defendants admit that the Perfect Tote Soft Cable Bag has a cable payout passageway defined between the interior and the exterior of the main compartment, the cable payout passageway configured to receive therethrough the loose end of cable from the outer portion of the reel of communications cable and that the Perfect Tote Soft Cable Bag satisfies Element 10E. See Amended Complaint ¶¶35-36.
[Element 10F] a closure mechanism configured to close the main compartment to	Both the Perfect Tote Soft cable bag and the Miniflex cable bag include a zipper on an openable side-flap (a closure mechanism) configured to close the main compartment to thereby close the removable insert (frames/hubs) and the reel of communications cable in the interior of the main compartment.

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thereby close the removable insert and the reel of communications cable in the interior of the main compartment;



See, e.g., “Perfect Flex NexReel™ & Perfect Tote™ Installation” at <https://www.ppc-online.com/product-search/perfecttote-13535-01>. See also <https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote> (“Perfect Link NexReel & Perfect Tote Installation”).

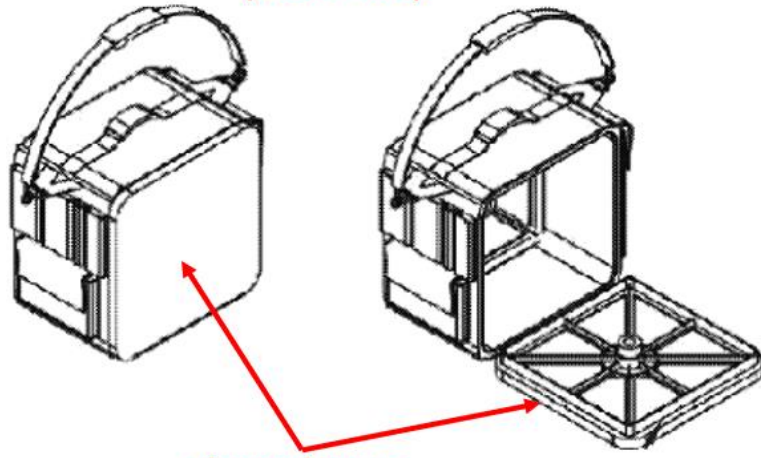
	(Perfect Tote)  zippered cover closes the frame and cable reel inside the compartment See, e.g., BDC_CB0000021 (“TOTE BAG ZIPPERED COVER”)(Perfect Tote)
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Feed the cable end through the open side of the bag and through the storage loop and close the bag.

See, e.g., Exhibit C to the Complaint (“close the bag”); BDC_CB0000042 (Perfect Tote).

**zippered cover
closes the frame and cable reel
inside the compartment**



(Perfect Tote)

See, e.g., Exhibit B to the Complaint; BDC_CB0000014 (Perfect Tote).

	Step 1  Unzip the cable bag and flip the top open Step 5  Zip the bag closed, ensuring the tabs on the bag flap fit into the spool to complete the install See, e.g., Exhibit E to the Complaint (“Unzip the cable bag and flip the top open... Zip the bag closed, ensuring the tabs on the bag flap fit into the spool to complete the install”); BDC_CB0000040 (Miniflex).
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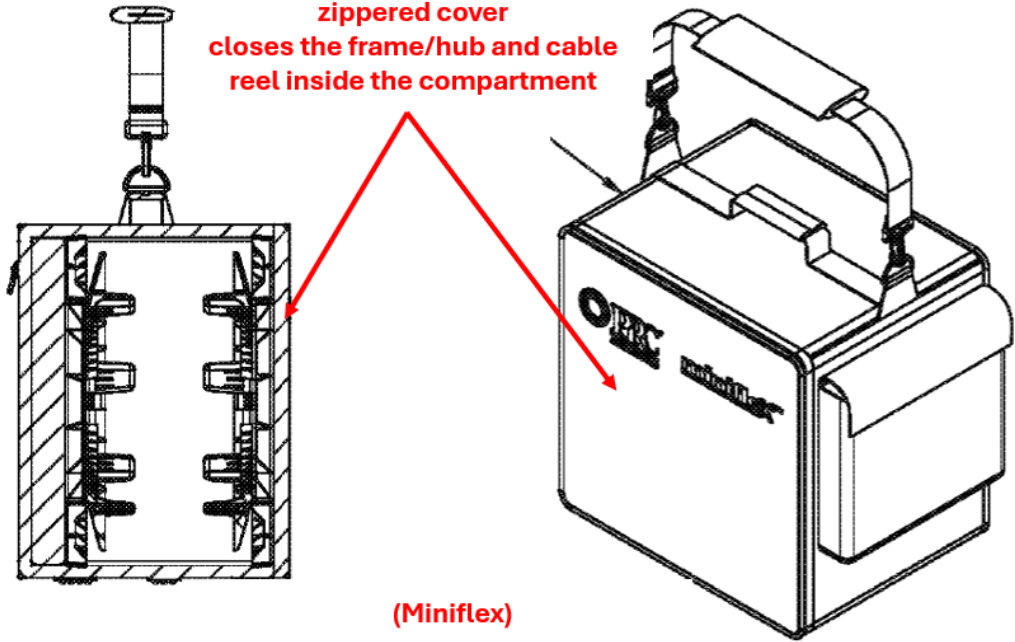
	 zippered cover closes the frame/hub and cable reel inside the compartment (Miniflex) See, e.g., BDC_CB0000006 (Miniflex)
[Element 10G] wherein the main compartment has a substantially rectangular profile when the removable insert and the reel of communications cable are closed in the interior thereof.	The main compartment of both the Perfect Tote Soft cable bag and the Miniflex cable bag has a substantially rectangular profile when the removable insert and the reel of communications cable are closed in the interior thereof.

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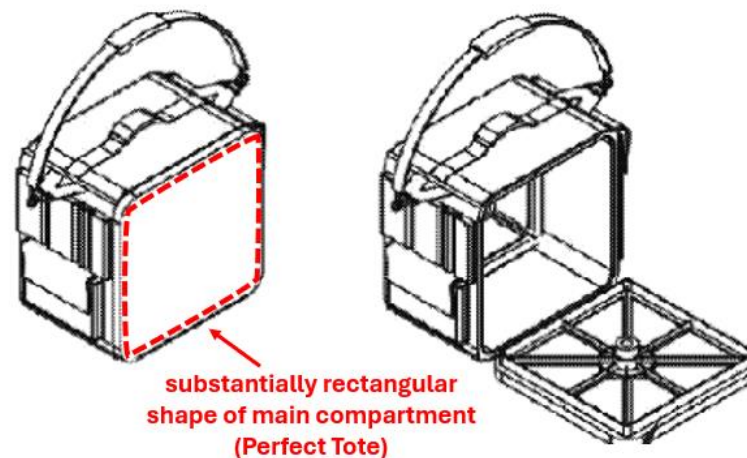
See, e.g., “Perfect Flex NexReel™ & Perfect Tote™ Installation” at <https://www.ppc-online.com/product-search/perfecttote-13535-01>. See also <https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote> (“Perfect Link NexReel & Perfect Tote Installation”).

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substantially rectangular
shape of main compartment
(Perfect Tote)



See, e.g., Exhibit B to the Complaint; BDC_CB0000014 (Perfect Tote)



See, e.g., BDC_CB0000021(Perfect Tote)

substantially rectangular
shape of main compartment
(Miniflex)



See, e.g., Exhibit D to the Complaint; BDC_CB0000041 (Miniflex).

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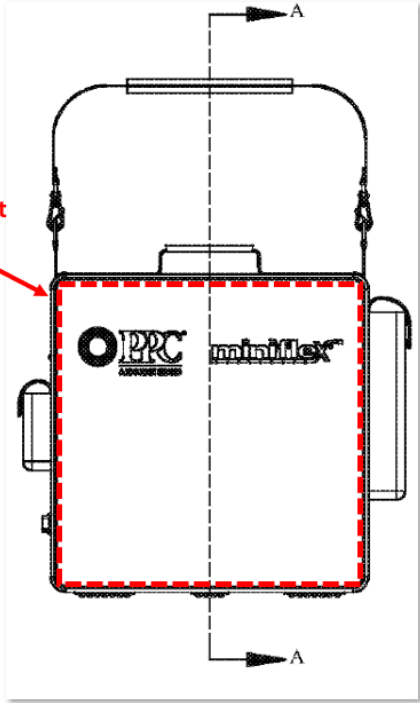
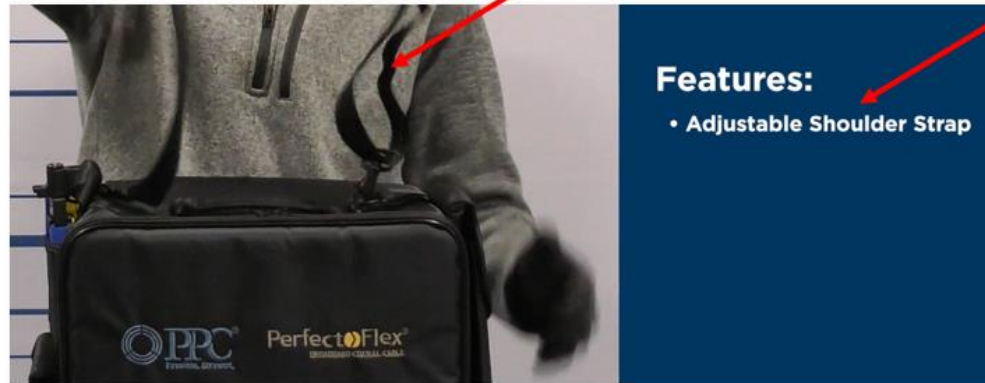
	 substantially rectangular shape of main compartment (Miniflex) See, e.g., BDC_CB0000006 (Miniflex).
[Claim 11] 11. The communications cable payout bag of claim 10, wherein the shoulder strap comprises a single adjustable shoulder strap, and wherein the shoulder strap can be adjusted to a length of at least 37 inches.	The Perfect Tote Soft cable bag and the Miniflex cable bag have a single shoulder strap that is adjustable.

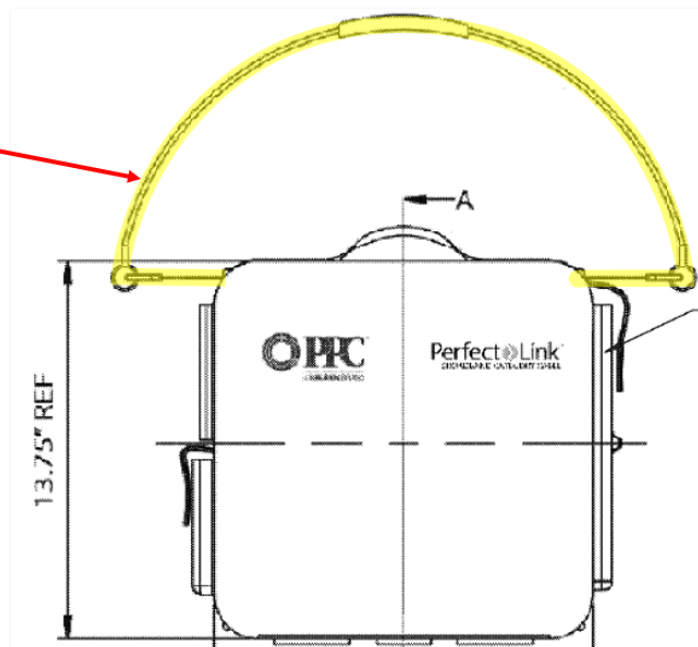
Exhibit A – Claim Chart for U.S. Patent No. 9,266,697
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See, e.g., “Perfect Flex NexReel™ & Perfect Tote™ Installation” at <https://www.ppc-online.com/product-search/perfecttote-13535-01>. See also <https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote> (“Perfect Link NexReel & Perfect Tote Installation”).

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single, adjustable
shoulder strap at
least 37 inches
(Perfect Tote)



See, e.g., BDC_CB0000021 (Perfect Tote).

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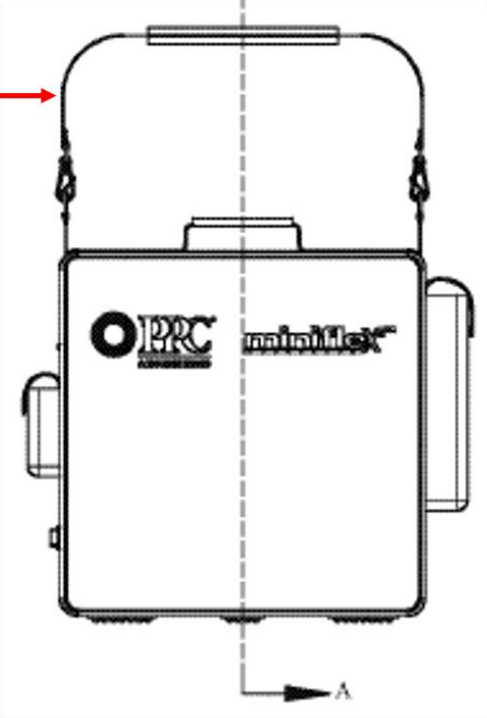
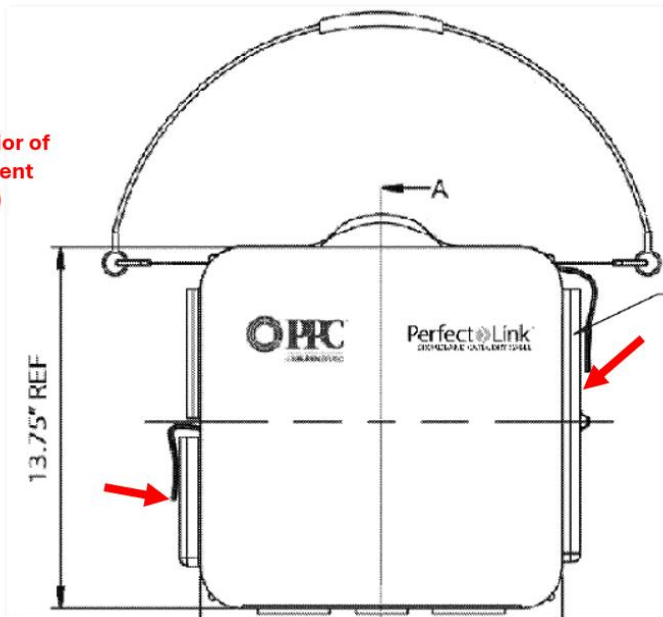
	 single, adjustable shoulder strap at least 37 inches (Miniflex) See, e.g., BDC_CB0000006 (Miniflex).
12. The communications cable payout bag of claim 10, further comprising at least one storage pouch on the exterior of the main compartment.	The Perfect Tote Soft cable bag and the Miniflex cable bag have at least one storage pouch on the exterior of the main compartment.

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See, e.g., Exhibit B to the Complaint; BDC_CB0000014 (“pouch for connectors... Tablet pouch”)(Perfect Tote)

pouches on exterior of
main compartment
(Perfect Tote)



See, e.g., BDC_CB0000021 (Perfect Tote).

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The Miniflex Fiber Bag has a shoulder strap, tool pouches, tablet pouch, and cable gripping member that holds cable in place and reduces backpooling. This bag allows up to 610 m (2000 ft) (3 mm cable) of fiber cable payout and reduces waste by

See, e.g., Exhibit D to the Complaint; BDC_CB0000041 (“tool pouches, tablet pouch”).

pouches on exterior of
main compartment
(Miniflex)



See, e.g., Exhibit D to the Complaint; BDC_CB0000041 (Miniflex)

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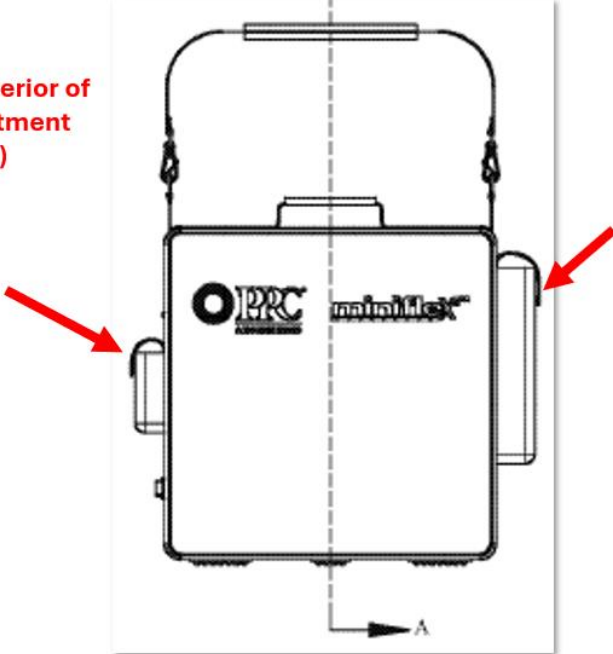
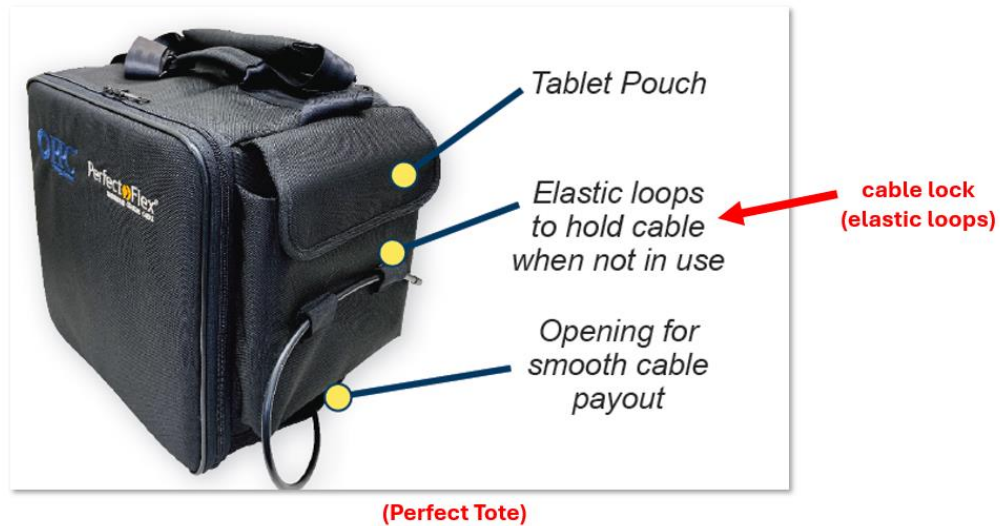
	 BDC_CB0000006 (Miniflex).
13. The communications cable payout bag of claim 10, further comprising a cable lock configured to secure the loose end of cable on the exterior of the main compartment, wherein the cable lock is located on the exterior of the main compartment	Both the Perfect Tote Soft cable bag and the Miniflex fiber cable bag include a cable lock configured to secure the loose end of cable on the exterior of the main compartment, wherein the cable lock is located on the exterior of the main compartment adjacent the cable payout passageway. The Perfect Tote bag includes, for example, elastic loops to hold the cable when not in use located on the exterior of the main compartment immediately above the cable payout passageway

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adjacent the cable payout
passageway.



See, e.g., Exhibit B to the Complaint; BDC_CB0000014 (Perfect Tote).

The Miniflex fiber cable bag includes a cable lock on the exterior of the main compartment at one end of the cable payout passageway which includes cable loops and a rubber cable slot that grip the loose end of cable when not being paid out from the bag.

fiber cable lock
(Miniflex)



See, e.g., Exhibit E to the Complaint; BDC_CB0000040 (“Secure the fiber in the rubber cable slot and thread the fiber cable through the two cable loops”)

Step 4



Secure the fiber in the rubber cable slot and thread the fiber cable through the two cable loops

See, e.g., Exhibit E to the Complaint; BDC_CB0000040 (“Secure the fiber in the rubber cable slot and thread the fiber cable through the two cable loops”).

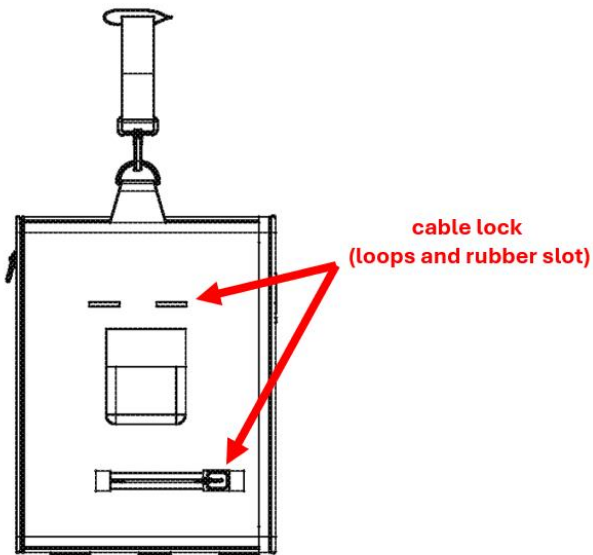
**cable lock
(loops and
rubber slot)**



(Miniflex)

See, e.g., Exhibit E to the Complaint; BDC_CB0000040 (“Secure the fiber in the rubber cable slot and thread the fiber cable through the two cable loops”).

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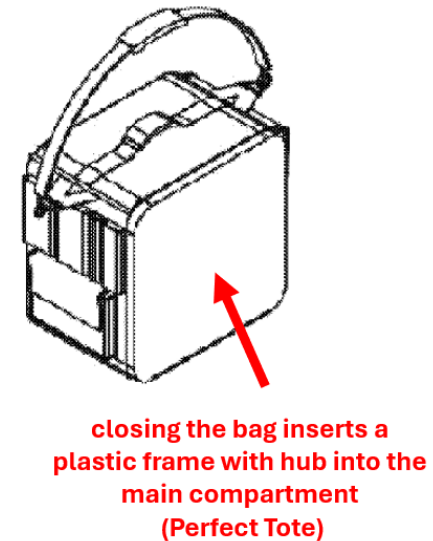
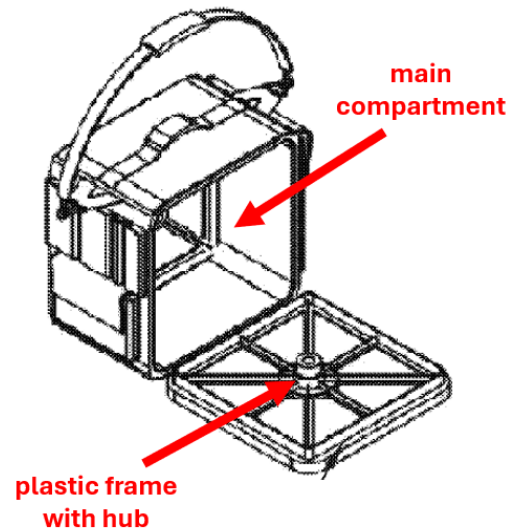
	 See, e.g., BDC_CB0000006 (Miniflex).
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[Claim 9 Preamble] 9. A method of paying out communications cable from a bag that includes a main compartment and a cable payout passageway, the method comprising:	Both the Perfect Tote Soft Cable Bag and the Miniflex fiber cable bag include a main compartment (see Element 10A above) and a cable payout passageway (see Element 10E). Defendants’ instructional materials including, for example, Exhibits B, C and E to the Complaint (and BDC_CB00000040; BDC_CB00000042; BDC_CB00000014) as well as its videos at “Perfect Flex NexReel™ & Perfect Tote™ Installation” at https://www.ppc-online.com/product-search/perfecttote-13535-01 and https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote (“Perfect Link NexReel & Perfect Tote Installation”) show that the Defendants have paid out communications cable from inside the main compartment of both of these bag products by inserting a removable insert and cable reel into a main compartment of flexible material, aligning a loose end of cable with the cable payout passageway and pulling the loose end through the cable payout passageway. Therefore, Defendants are direct infringers of this method claim. Defendants are also indirect infringers of this method claim under contributory infringement. As described above in Element 10C, there is no substantial non-infringing use for these bags with inserted frames/hubs and
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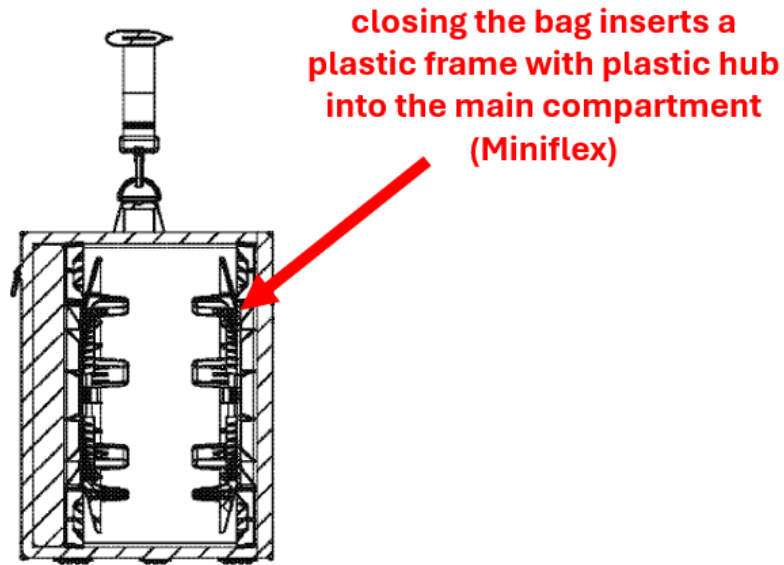
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	the compatible rolls and reels of communications cable other than to be placed in the bag as claimed, have the loose end of cable aligned with the cable payout passageway, and pulling the loose end of cable through the passageway. Defendants are also indirect infringers of this method claim under active inducement as described above in Element 10C, Defendants’ marketing and instructional materials instruct its customers and users of these bags and reels of cable to perform the method recited in this claim.
[Element 9A] inserting a removable plastic insert and a cylindrical reel of communications cable supported by the removable insert in the main compartment, wherein the reel of communications cable has a loose end of cable at an outer portion thereof, and wherein the main compartment is constructed of a flexible material;	See Element 10B (removable inserts, which are plastic). See Element 10C (reel of communications cable with loose end). See Element 10A (main compartment of flexible material). Each time a reel of communications cable is inserted into the Perfect Tote or Miniflex bags as shown in Defendants’ instructional materials, this step is performed. The Defendants have performed this step as shown, for example, in their installation videos and installation instruction materials. See, e.g., Exhibits C and E to the Complaint. See also “Perfect Flex NexReel™ & Perfect Tote™ Installation” at https://www.ppc-online.com/product-search/perfecttote-13535-01 and also https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote (“Perfect Link NexReel & Perfect Tote Installation”) For example, completing the steps in the installations instructions for installing a reel of cable into the bags, includes closing the zippered cover on the Perfect Tote or Miniflex bags. Closing the cover inserts a plastic frame/hub piece into the main compartment and supports a cylindrical reel of communications cable on the frame/hub pieces to allow rotation of the reel of cable inside the bag. See, e.g., Exhibit C to the Complaint (“close the bag”); Exhibit E to the Complaint (“Zip the bag closed, ensuring the tabs on the bag flap fit into the spool to complete the install”). The reels of cable for use in the Perfect Tote and Miniflex bags have a loose end of cable at an outer portion of the reel so that it can be paid out through the payout passageway as the cable is pulled and the reel of cable rotates inside the main compartment. The main compartment of each bag is constructed of soft, flexible material. See, e.g., Element 10A. Defendants’ instructional materials including, for example, Exhibits B, C and E to the Complaint (and BDC_CB0000040; BDC_CB0000042; BDC_CB0000014) as well as its videos at “Perfect Flex NexReel™ & Perfect Tote™ Installation” at https://www.ppc-online.com/product-search/perfecttote-13535-01 and also https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote (“Perfect Link NexReel & Perfect Tote Installation”) show that the Defendants have performed this step by inserting a reel of

communications cable into the main compartment of the Perfect Tote and Miniflex bags and closing the zippered bag cover which inserts a frame/hub into the main compartment of the bag and supports the reel of cable on the frame/hub. Therefore, Defendants are direct infringers of this method claim.



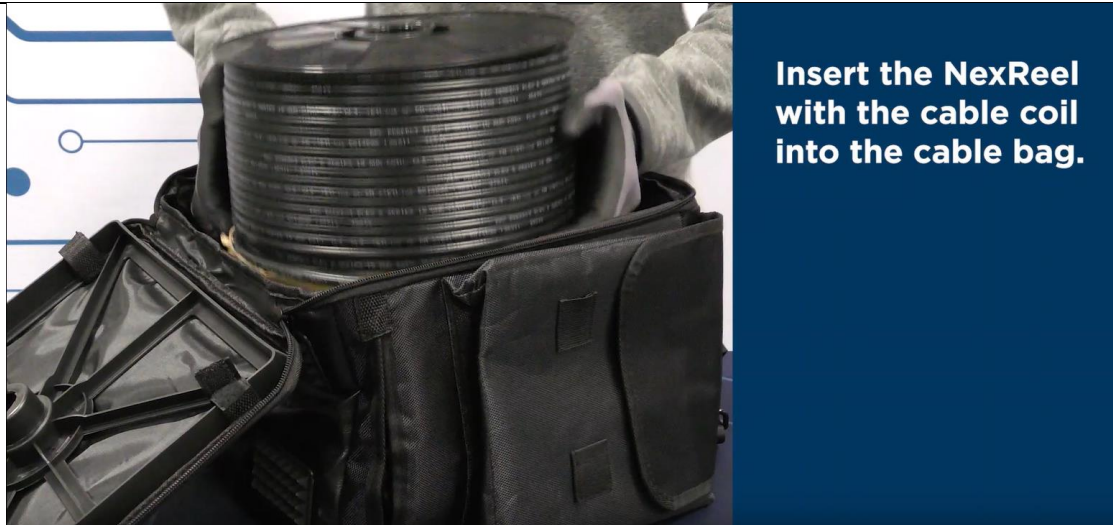
See, e.g., BDC_CB0000021 (Perfect Tote).



See, e.g., BDC_CB0000006 (Miniflex).

Defendants are also indirect infringers of this method claim under contributory infringement. As described above in Element 10C, there is no substantial non-infringing use for these bags with frames/hubs and the compatible rolls and reels of communications cable other than for the cable reels to be placed in the bag and closing the zippered cover to insert a frame/hub into the main compartment of the bag supporting the reel of cable on the frame/hubs as claimed here.

Defendants are also indirect infringers of this method claim under active inducement as described above (see also Element 10C), Defendants’ marketing and instructional materials instruct its customers and users of these bags and reels of cable to perform this method step by placing a reel of communications cable into the bag, closing the bag cover to insert a frame/hub into the main compartment, and supporting the reel of cable on the frames/hubs inside the main compartment. The main compartment is made of a flexible material.



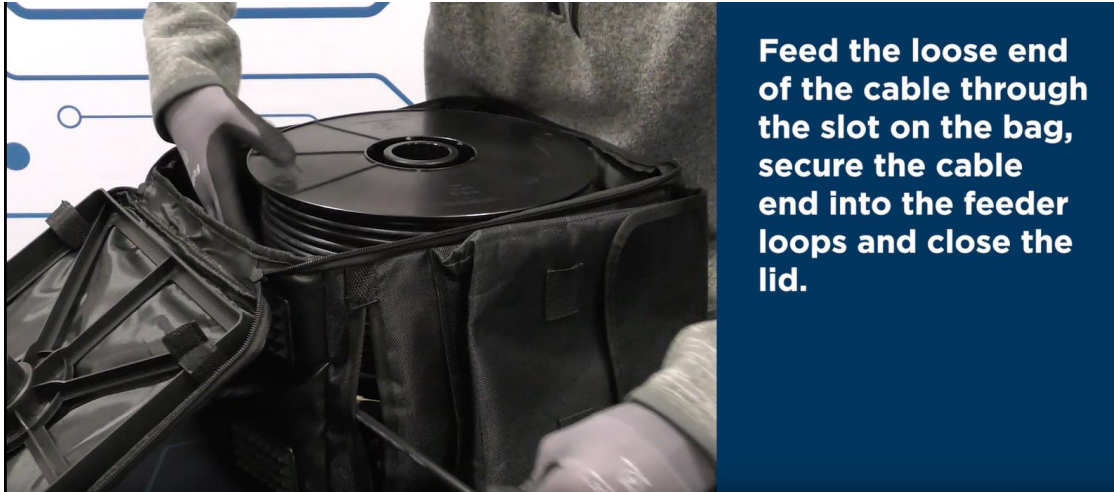
See, e.g., “Perfect Flex NexReel™ & Perfect Tote™ Installation” at <https://www.ppc-online.com/product-search/perfecttote-13535-01>. See also <https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote> (“Perfect Link NexReel & Perfect Tote Installation”).



“close the lid”

See, e.g., “Perfect Flex NexReel™ & Perfect Tote™ Installation” at <https://www.ppc-online.com/product-search/perfecttote-13535-01>. See also <https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote> (“Perfect Link NexReel & Perfect Tote Installation”).

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[Element 9B] aligning the loose end of cable from the outer portion of the reel of communications cable with the cable payout passageway; and	Both the Perfect Tote and Miniflex bags include a cable payout passageway. See Element 10E above. Defendants’ instructional materials including, for example, Exhibits B, C and E to the Complaint (and BDC_CB0000040; BDC_CB0000042; BDC_CB0000014) as well as its videos at “Perfect Flex NexReel™ & Perfect Tote™ Installation” at https://www.ppc-online.com/product-search/perfecttote-13535-01 and https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote (“Perfect Link NexReel & Perfect Tote Installation”) show that the Defendants have performed the step of aligning the loose end of the cable with the cable payout passageway (slot).  See, e.g., “Perfect Flex NexReel™ & Perfect Tote™ Installation” at https://www.ppc-online.com/product-search/perfecttote-13535-01. See also https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote (“Perfect Link NexReel & Perfect Tote Installation”).
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6



Feed the cable end through the open side
of the bag and through the storage loop
and close the bag.

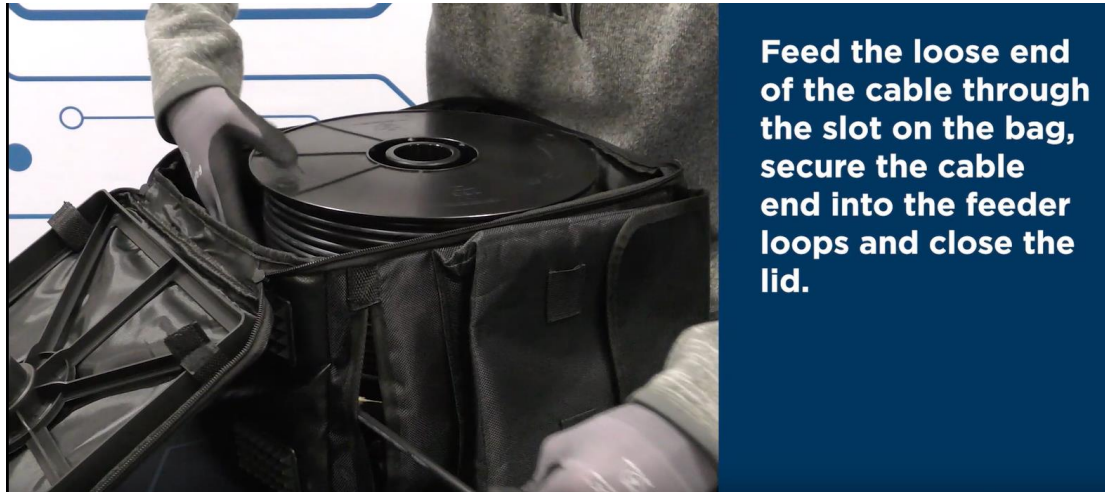
See, e.g., Exhibit C to the Complaint (Perfect Tote).

	Step 3 Pull the loose end of the fiber and thread it through the opening on the side of the bag See, e.g., Exhibit E to the Complaint (Miniflex). As discussed above, Defendants have infringed this method step both directly and indirectly. There is no substantial non-infringing use for these payout bags with cable payout passageways and for the compatible reels of communications cable other than to have the cable loose ends aligned with the payout passageway of the bag. Further, as shown above, Defendants have actively induced their customers to directly infringe by instructing them to perform this method step (and the other steps recited in this claim). See.e.g., Exhibits C, D, and E to the Complaint shown above.
[Element 9C]	Both the Perfect Tote and Miniflex bags include a cable payout passageway through which the loose end of the cable is pulled to pay out a desired length of cable from the cable reel. See Element 10E above. Defendants’ instruction materials including, for example, Exhibits B, C and E to the Complaint (and BDC_CB0000040; BDC_CB0000042; BDC_CB0000014) as well as its videos at “Perfect Flex NexReel™ &

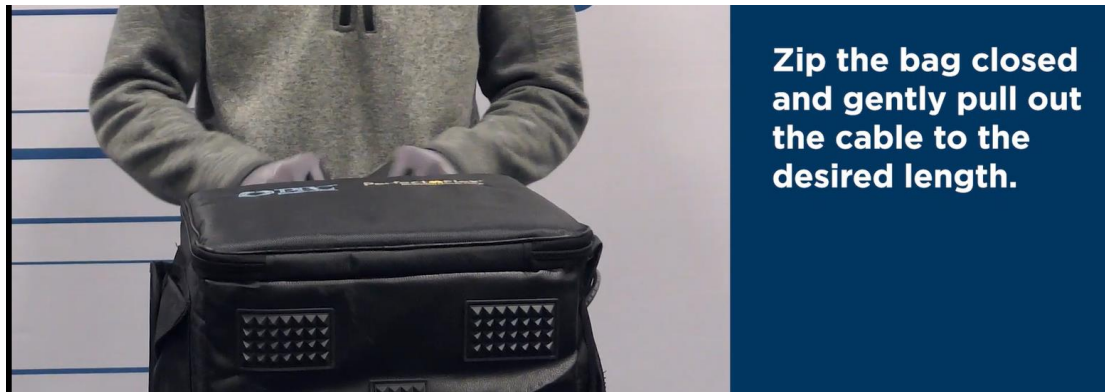
Exhibit A – Claim Chart for U.S. Patent No. 9,266,697
Contains Highly Confidential – Outside Counsel’s Eyes Only Information

pulling the loose end of cable through the cable payout passageway.

Perfect Tote™ Installation” at <https://www.ppc-online.com/product-search/perfecttote-13535-01> and <https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote> (“Perfect Link NexReel & Perfect Tote Installation”) show that the Defendants have performed the step of pulling the loose end of the cable through the cable payout passageway (slot).



See, e.g., “Perfect Flex NexReel™ & Perfect Tote™ Installation” at <https://www.ppc-online.com/product-search/perfecttote-13535-01>. See also <https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote> (“Perfect Link NexReel & Perfect Tote Installation”).



See, e.g., “Perfect Flex NexReel™ & Perfect Tote™ Installation” at <https://www.ppc-online.com/product-search/perfecttote-13535-01> (“gently pull out the cable to the desired length”). See also <https://www.ppc-online.com/videos/install-of-perfect-link-onto-nexreel-perfect-tote> (“Perfect Link NexReel & Perfect Tote Installation”).



See, e.g., Exhibit C to the Complaint (Perfect Tote).



See, e.g., Exhibit E to the Complaint (Miniflex).

As discussed above, Defendants have infringed this method step both directly and indirectly. There is no substantial non-infringing use for these payout bags and for the compatible reels of communications cable other than to have their loose ends pulled through the cable payout passageway of the bag. Further, as shown above, Defendants have actively induced their customers to directly infringe by instructing them to perform this method step (and the other steps recited in this claim).

CERTIFICATE OF SERVICE

I hereby certify that on January 24, 2025, true and correct copies of the foregoing document were caused to be served on the following counsel of record as indicated:

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