



DELIVERING INNOVATION WITH PERFORMANCE MATERIALS

[ABOUT US](#)[MARKET/PRODUCTS](#)[RESEARCH & DEVELOPMENT](#)[NEWS/EVENTS](#)[FAQ's](#)[NEPTCO BRANDS](#)[CONTACT US](#)**FOIL FILM FOIL LAMINATES****Typical Applications**

Shielding of multi-pair process control, computer, and instrumentation cables as well as coaxial CATV and LAN cables.

**Construction**

Foil/film/foil shielding tapes are constructed of one polyester, polyethylene, or polypropylene film laminated between two aluminum or copper foil layers.

General Features/Benefits

Enhanced shielding
Improved durability
Foil-to-foil contact at overlap

Selecting the product that's right for you:

- **HIGH-DRAW** foil/film/foil laminates offer exceptional draw characteristics and resilient shielding

Films

- Polyester film has a higher temperature resistance than polypropylene and is therefore often selected for use directly under an extruded jacket.
- Polypropylene film laminates are more flexible and offer greater economy due to their high yield
- Polyethylene film offers chemical resistance and economy
- Thicker film substrates provide higher dielectric and tensile strengths

Foils

- Aluminum is lighter weight and more cost effective than copper
- Copper offers corrosion and radiation resistance, soldering at termination, and higher conductivity relative to aluminum
- Thicker film substrates provide higher conductivity and tensile strength, and lower signal attenuation

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Product #	Construction	Description
1026	0.00100" (25μ) aluminum foil 0.00092" (23μ) polyester film 0.00100" (25μ) aluminum foil	Heavy foil shielding tape typically used as a second shield in multi-shielded LAN coaxial cables
1120AK	0.00035" (9μ) aluminum foil 0.00048" (12μ) polyester film 0.00150" (38μ) aluminum foil	Patented three ply shielding tape with patterned CHECKERBOARD® fusible coating bonds to polyethylene foam cable core, providing positive sealing at the

	0.00012" (3μ) CHECKERBOARD® EAA coating	tape overlap, contact between the shielding tape and the drain wire, and simplified peel back for connectors. Specified for IEEE 802.3 thin LAN coax cables.
1122	0.00200" (51μ) aluminum foil 0.00092" (23μ) polyester film 0.00035" (9μ) aluminum foil	Three-ply shielding tape providing contact between the shielding tape and the drain wire, and simplified peel back for connectors. Used in IEEE 802.3 and thin LAN coax cables.
9199	0.00035" (9μ) aluminum foil 0.00075" (19μ) polyester film 0.00035" (9μ) aluminum foil	High tensile strength shielding laminate typically used as an outer shield in CATV drop wire and LAN cable.
926	0.00035" (9μ) aluminum foil 0.00092" (23μ) polyester film 0.00035" (9μ) aluminum foil	High tensile strength shielding laminate typically used as an outer shield in CATV drop wire and LAN cables.
FF7010	0.00048" (12μ) polyester film 0.00100" (25μ) aluminum foil 0.00048" (12μ) polyester film	Polyester/aluminum/polyester laminate, used for shielding or as a vapor barrier in various cable applications.
P26	0.00035" (9μ) aluminum foil 0.00092" (23μ) polypropylene film 0.00035" (9μ) aluminum foil	Three-ply shielding tape frequently used as the non-fusible outer shield in quad-shielded CATV cable.

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