Coated / Fusible Shielding Tapes
NEPTAPE® 1401E

Construction: 0.00035" (9μ) aluminum
0.00048" (12μ) PET
0.00020" (6μ) fusible olefin coating

Description: HIGH-DRAW® shielding laminate that bonds to polyethylene or itself at the overlap while offering exceptional draw characteristics, virtually eliminating foil breakup or "pinholes." Provides resilient shielding in active cable assemblies or whenever tapes undergo mechanical strain during cable manufacture.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.001 inches	25 microns	ASTM D374
Yield	107.7 ft²/lb 0.77 lbs/mft @ 1" wide	22.06 m²/kg 0.45 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	17,300 psi	110 MPa	Calculated
Break Strength	17 lbs/in width	30 N/10mm width	ASTM D882
Elongation at Break	75%	75%	ASTM D882
Dielectric Strength of Film	2.8 kV	2.8 kV	Supplier Data
Dielectric Constant of Film	3.0 (dimensionless)	3.0 (dimensionless)	Supplier Data
Density	NA	1.64 g/cm³	Calculated
Max. Continuous Operating Temperature	175ºF	80ºC	Supplier Data
Sealing Temperature	210-240ºF	100-115ºC	NEPTCO TM-008
Electrical Resistance	42 Ω/mft @ 1" wide	350 Ω/km @ 10mm wide	Supplier Data
Draw Characteristics	7 pinholes max. @ 33% elongation in 1/4" (6.4mm) diameter area		
Colors	Yellow - Other colors available upon request.		
Splice Type	#53, max. 5/pad for < 22" OD or max. 6/pad for > 22" OD Max. 1/1000' for traverse packages		
Standard Pad Put-ups	Core ID - 3" or 6" Pad OD - 12" or 18"		
Standard Traverse Put-ups	3" x 5.75" x 3.5" - narrow slit material 3" x 11" x 3"		

ASTM Test Methods are listed for reference only. Actual testing performed according to modified equipment and conditions. Specific test methods available upon request.

The data presented here is intended for product selection purposes only. Typical properties represent data characteristics of the product, but do not necessarily reflect minimum values during normal testing. Specification data can be provided upon request.

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