



NEPTAPE® Data Sheet

Coated / Fusible Shielding Tapes NEPTAPE® 1189

Construction: 0.00020" (5 μ) PVC heat seal coating
0.00048" (12 μ) polyester film
0.00035" (9 μ) aluminum foil

Description: Fusible two ply tape typically used as an outer shield in tri-shield (tape/braid/tape) cable constructions. Fuses to overextruded PVC jackets.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0010 inches	25 microns	ASTM D374
Yield	104.2 ft ² /lb 0.80 lbs/mft @ 1" wide	21.3 m ² /kg 0.47 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	16,300 psi	112 MPa	Calculated
Break Strength	17 lbs/in width	30 N/10mm width	ASTM D882
Elongation at Break	105%	105%	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	1.68 g/cm ³	Calculated
Max. Continuous Operating Temperature	175°F	80°C	Supplier Data
Sealing Temperature	375-410°F	190-210°C	NEPTCO TM-008
Electrical Resistance	42 Ω /mft @ 1" wide	350 Ω /km @ 10mm wide	Supplier Data
Colors	Natural (Clear)/Blue - 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.