



NEPTAPE® Data Sheet

Low Smoke Shielding Tapes

NEPTAPE® FIREFITE® LS1035

Construction: 0.00048" (12μ) polyolefin film
0.00035" (9μ) aluminum foil

Description: High-yield, reduced-smoke shielding tape with excellent conformal characteristics typically used for shielding twisted pairs. Recommended for use in plenum cable applications, such as fire alarm (FPLP) and power limited (CL-2P) cabling systems.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0009 inches	23 microns	ASTM D374
Yield	129.3 ft ² /lb 0.64 lbs/mft @ 1" wide	26.5 m ² /kg 0.38 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	23,000 psi	159 MPa	Calculated
Break Strength	21 lbs/in width	36 N/10mm width	ASTM D882
Elongation at Break	28%	28%	ASTM D882
Dielectric Strength of Film	0.7 kV	0.7 kV	Supplier Data
Dielectric Constant of Film	2.0 (dimensionless)	2.0 (dimensionless)	Supplier Data
Density	NA	1.49 g/cm ³	Calculated
Electrical Resistance	42 Ω/mft @ 1" wide	350 Ω/km @ 10mm wide	Supplier Data
Colors	White		
Splice Type	#28, 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.