



NEPTAPE® Data Sheet

SHIELDING TAPE - Standard Film/Foil Laminates NEPTAPE® LAN250

Construction: 0.00048" (12 μ) polyester film
0.00200" (51 μ) aluminum foil

Description: High yield shielding tape for foil twisted pair Local Area Network cables (Category 3, 5 and beyond) and for ANSI/IEEE 802.5 Network Cables Type I and II.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0026 inches	66 microns	ASTM D374
Yield	31.2 ft ² /lb 2.67 lbs/mft @ 1" wide	6.40 m ² /kg 1.56 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	12,100 psi	83 MPa	Calculated
Break Strength	32 lbs/in width	56 N/10mm width	ASTM D882
Elongation at Break	18%	18%	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	2.37 g/cm ³	Calculated
Electrical Resistance	8 Ω /mft @ 1" wide	67 Ω /km @ 10mm wide	Supplier Data
Colors	Natural (Clear)/Red/Gold/Green - Other colors available upon request.		
Splice Type	#37, max. 5/pad for < 22" OD or 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.