



NEPTAPE® Data Sheet

SHIELDING TAPE - Standard Film/Foil Laminates NEPTAPE® 5300

Construction: 0.00092" (23μ) polyester film
0.00200" (51μ) aluminum foil

Description: Shielding tape typically used for ANSI/IEEE 802.5 network cables Type I and II.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0031 inches	79 microns	ASTM D374
Yield	28.3 ft ² /lb 2.94 lbs/mft @ 1" wide	5.8 m ² /kg 1.73 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	12,700 psi	88 MPa	Calculated
Break Strength	39 lbs/in width	68 N/10mm width	ASTM D882
Elongation at Break	19%	19%	ASTM D882
Dielectric Strength of Film	4.0 kV	4.0 kV	Supplier Data
Dielectric Constant of Film	3.0 (dimensionless)	3.0 (dimensionless)	Supplier Data
Density	NA	2.27 g/cm ³	Calculated
Electrical Resistance	8 Ω/mft @ 1" wide	67 Ω/km @ 10mm wide	Supplier Data
Colors	Natural (Clear)/Blue/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.