



NEPTAPE® Data Sheet

SHIELDING TAPE - Standard Film/Foil Laminates NEPTAPE® 5302

Construction: 0.00300" (76μ) 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	0.0050 inches	127 microns	ASTM D374
Yield	19.8 ft ² /lb 4.21 lbs/mft @ 1" wide	4.10 m ² /kg 2.47 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	13,900 psi	96 MPa	Calculated
Break Strength	69 lbs/in width	121 N/10mm width	ASTM D882
Elongation at Break	17%	17%	ASTM D882
Dielectric Strength of Film	10.0 kV	10.0 kV	Supplier Data
Dielectric Constant of Film	3.0 (dimensionless)	3.0 (dimensionless)	Supplier Data
Density	NA	1.91 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. Specific data can be provided upon request.