

High Temperature Shielding Tapes

NEPTAPE® 1601

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

Description: Thin gauge shielding laminate that utilizes a higher heat resistant adhesive. Used to shield individual pairs in electronic cables where elevated process temperatures are needed.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0009 inches	23 microns	ASTM D374
Yield	112 ft ² /lb 0.74 lbs/mft @ 1" wide	22.94 m ² /kg 0.44 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	17,800 psi	123 MPa	Calculated
Break Strength	16 lbs/in width	28 N/10mm width	ASTM D882
Elongation at Break	79%	79%	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	1.91 g/cm ³	Calculated
Max. Continuous Operating Temperature	175°F	80°C	Supplier Data
Electrical Resistance	42 Ω/mft @ 1" wide	350 Ω/km @ 10mm wide	Supplier Data
Colors	Blue, Red - Other colors available upon request.		
Splice Type	#50, 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.

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