



NEPTAPE® Data Sheet

Coated / Fusible Shielding Tapes NEPTAPE® 1001SL SLICKTAPE®

Construction: 0.00048" (12μ) polyester film
0.00035" (9μ) aluminum foil
0.00010" (3μ) patterned micro-encapsulated mineral oil coating

Description: Thin gauge self-lubricating shielding laminate. Typically used as a high-yield tape to wrap and shield individual pairs in electronic cables. Ideal for manufacturing situations where tape breaks and scuffing caused by metallic tooling or high run-rates are a concern.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0011 inches	28 microns	ASTM D374
Yield	109.5 ft ² /lb 0.76 lbs/mft @ 1" wide	22.4 m ² /kg 0.45 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	15,600 psi	108 MPa	Calculated
Break Strength	16 lbs/in width	29 N/10mm width	ASTM D882
Elongation at Break	80%	80%	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	1.76 g/cm ³	Calculated
Max. Continuous Operating Temperature	175°F	80°C	Supplier Data
Sealing Temperature	NA	NA	NEPTCO TM-008
Electrical Resistance	42 Ω/mft @ 1" wide	350 Ω/km @ 10mm wide	Supplier Data
Colors	Blue		
Splice Type	#53, 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.