



NEPTAPE® Data Sheet

Coated / Fusible Shielding Tapes NEPTAPE® 5300SL SLICKTAPE®

Construction: 0.00092" (23μ) polyester film
0.00200" (51μ) aluminum foil
0.00010" (3μ) patterned micro-encapsulated mineral oil coating

Description: Self-lubricating shielding tape used for ANSI/IEEE 802.5 network cables Type I and II and as an overall shield for TIA "Category" type LAN 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	0.0032 inches	81 microns	ASTM D374
Yield	28.2 ft ² /lb 2.95 lbs/mft @ 1" wide	5.8 m ² /kg 1.73 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	12,500 psi	86 MPa	Calculated
Break Strength	40 lbs/in width	69 N/10mm width	ASTM D882
Elongation at Break	20%	20%	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	2.20 g/cm ³	Calculated
Max. Continuous Operating Temperature	175°F	80°C	Supplier Data
Sealing Temperature	NA	NA	NEPTCO TM-008
Electrical Resistance	8 Ω/mft @ 1" wide	67 Ω/km @ 10mm wide	Supplier Data
Colors	Blue		
Splice Type	#37, 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.