



NEPTAPE® Data Sheet

Coated / Fusible Shielding Tapes

NEPTAPE® 5304

Construction: 0.00100" (25μ) EAA film
0.00092" (23μ) polyester film
0.00200" (51μ) aluminum foil

Description: Fusible three ply shielding tape frequently used as a shield for 802.3 RG-58 plenum cables. Fuses to itself at tape overlap.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0041 inches	104 microns	ASTM D374
Yield	24.7 ft ² /lb 3.37 lbs/mft @ 1" wide	5.1 m ² /kg 1.98 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	10,700 psi	74 MPa	Calculated
Break Strength	44 lbs/in width	77 N/10mm width	ASTM D882
Elongation at Break	27%	27%	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	1.95 g/cm ³	Calculated
Max. Continuous Operating Temperature	175°F	80°C	Supplier Data
Sealing Temperature	210-240°F	100-115°C	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.