



## NEPTAPE® Data Sheet

# Coated / Fusible Shielding Tapes

## NEPTAPE® 5301

**Construction:** 0.00200" (51μ) aluminum foil  
0.00092" (23μ) polyester film  
release coat

**Description:** Two ply tape with release coating which prevents bonding to over-extruded PVC jackets.  
Typically used to shield jacketed flat cable.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0031 inches	79 microns	ASTM D374
Yield	28.3 ft <sup>2</sup> /lb 2.94 lbs/mft @ 1" wide	5.8 m <sup>2</sup> /kg 1.73 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	12,500 psi	86 MPa	Calculated
Break Strength	38 lbs/in width	67 N/10mm width	ASTM D882
Elongation at Break	18%	18%	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	2.27 g/cm <sup>3</sup>	Calculated
Electrical Resistance	8 Ω/ft @ 1" wide	67 Ω/km @ 10mm wide	Supplier Data
Colors	Natural (Clear), 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. Specifications data can be provided upon request.