



## NEPTAPE® Data Sheet

# Low Smoke Shielding Tapes

## NEPTAPE® FIREFITE® LS1020

**Construction:** 0.00048" (12μ) polyolefin film  
0.00200" (51μ) aluminum foil

**Description:** Low smoke shielding tape for ANSI/IEEE 802.5 network cables and shielded Category 5 and evolving Category 6 standards. For use in plenum cable (CMP, MPP) applications.

Typical Properties	US Customary	Metric	Test Method
Thickness	0.0027 inches	69 microns	ASTM D374
Yield	32.4 ft <sup>2</sup> /lb 2.57 lbs/mft @ 1" wide	6.6 m <sup>2</sup> /kg 1.51 kg/km @ 10mm wide	NEPTCO TM-002
Tensile Strength	14,200 psi	98 MPa	Calculated
Break Strength	39 lbs/in width	68 N/10mm width	ASTM D882
Elongation at Break	19%	19%	ASTM D882
Dielectric Strength of Film	0.7 kV	0.7 kV	Supplier Data
Dielectric Constant of Film	2.0 (dimensionless)	2.0 (dimensionless)	Supplier Data
Density	NA	2.28 g/cm <sup>3</sup>	Calculated
Electrical Resistance	8 Ω/mft @ 1" wide	67 Ω/km @ 10mm wide	Supplier Data
Colors	White		
Splice Type	#28, max. 5/pad for < 22" OD or 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.