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Customer Specification

PART NO. TFT-250-18

ProductConstruction

1) Tubing Type	Tubing Non Shrinkable
2) Tubing Material	PTFE
3) Minimum ID(In)	0.040
4) Maximum ID(In)	0.049
5) Nominal Wall Thickness(In)	0.016
6) Color(s)	NATURAL

ProductIndustryApprovals

1) Military	MIL-I-22129	
2) Other	ASTM D-3295 Type I, Class C	

ProductEnvironmental

1) EU Directive 2011/65/EU(RoHS2):	All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for RoHS C of C.
2) REACH Regulation (EC 1907/2006):	This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see Alpha's REACH SVHC Declaration.
3) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

ProductProperties

Physical & Mechanical Properties		
1) Temperature Range	-75 to 260°C	
2) Tensile Strength	2000psi, Min	ASTM D638
3) Elongation	200%, Min	ASTM D638
4) Specific Gravity	2.20, Max	ASTM D792
Electrical Properties		
1) Dielectric Strength	1400 V/mil, Min	ASTM D876
2) Volume Resistivity	1×10^{18} ohm-cm, Min	ASTM D876
3) Dielectric Constant	2.1	IEC 250
Chemical Properties		
1) Water Absorption	0.01%, Max	ASTM D570
2) Corrosion(0°C,16hrs)	no corrosion	AMS-DTL-23053
3) Fungus Resistance	Pass	AMS-DTL-23053
4) Halogen Free	No	
5) Lead Free	Yes	

ProductOther

Packaging	
1000 FT, 500 FT, 100 FT	Notes
1) Put-ups may contain multiple pieces; 1000 ft & 500 ft 4 pieces Max., 100 ft. 2 pieces Max., 15 ft Min individual length.	

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