

# Customer Specification

## PART NO. TFT-250-16

### Construction

1) Tubing Type	Non Shrinkable Tubing
2) Tubing Material	Teflon(PTFE)
3) Nominal Inside Diameter(In)	0.053
4) Nominal Wall Thickness(In)	0.016
5) Color(s)	NATURAL

### Applicable Specifications

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

### Environmental

1) EU Directive 2002/95/EC(RoHS):	All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.	
2) REACH Regulation (EC 1907/2006):	All materials used in the manufacture of this part do not appear on the EU REACH Substance of Very High Concern (SVHC) candidate list.	
3) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.	

### Properties

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 D149
2) Volume Resistivity	$1 \times 10^{18}$ ohm-cm, Min	ASTM D876
3) Dielectric Constant	2.1	IEC 250
Chemical Properties		
1) Water Absorption	0.01%, Max	ASTM D570
2) Fungus Resistance	Pass	AMS-DTL-23053
3) Halogen Free	No	
4) Lead Free	No	

## Other

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.	

[www.alphawire.com](http://www.alphawire.com)

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## RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:TFT-250-16

TFT-250-16 , RoHS-Compliant Commencing With10/1/2004Production

*This document certifies that the Alpha part numbers cited above are manufactured in accordance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003, better known as the RoHS Directives, with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The reader is referred to these Directives for the specific definitions and extents of these Directives. **No Exemptions are required for RoHS Compliance on this item.***

<b>Substance</b>	<b>Maximum Control Value</b>
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.1% by weight (100 ppm)
Hexavalent Chromium	0.1% by weight (1000 ppm)
Polybrominated Biphenyls (PBB)	0.1% by weight (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE) Including Deca-BDE	0.1% by weight (1000 ppm)

*The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the date of its release. The information provided is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. The intent of this document is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.*

Authorized Signatory for the Alpha Wire Company:

Dave Watson, Director of Engineering &QA

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