

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: TFT250
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Issue: 3
Issue Date: 2/2/2009
Effective Date: 2/2/2009

A. Construction

- 1) Tubing Type Non Shrinkable Tubing
- 2) Tubing Material (PTFE)
- 3) Color(s) NATURAL

Part Number	Nominal Inside Diameter (In)	Minimum Inside Diameter (In)	Maximum Inside Diameter (In)	Nominal Wall Thickness (In)
TFT250-24	0.022	0.020	0.026	0.012
TFT250-22	0.028	0.025	0.032	0.012
TFT250-20	0.034	0.032	0.040	0.016
TFT250-19	0.038	0.036	0.044	0.016
TFT250-18	0.042	0.040	0.049	0.016
TFT250-17	0.047	0.045	0.054	0.016
TFT250-16	0.053	0.051	0.061	0.016
TFT250-15	0.059	0.057	0.067	0.016
TFT250-14	0.066	0.064	0.074	0.016
TFT250-13	0.076	0.072	0.082	0.016
TFT250-12	0.085	0.081	0.091	0.016
TFT250-11	0.095	0.091	0.101	0.016
TFT250-10	0.106	0.102	0.112	0.016
TFT250-9	0.118	0.114	0.124	0.020
TFT250-8	0.133	0.129	0.141	0.020
TFT250-7	0.148	0.144	0.158	0.020
TFT250-6	0.166	0.162	0.178	0.020
TFT250-5	0.186	0.182	0.196	0.020
TFT250-4	0.208	0.204	0.224	0.020
TFT250-3	0.234	0.229	0.249	0.020
TFT250-2	0.263	0.258	0.278	0.020
TFT250-1	0.294	0.289	0.311	0.020
TFT250-0	0.330	0.325	0.342	0.020

B. Industry Approvals

- 1) Military MIL-I-22129
- 2) Other REACH Regulation (EC 1907/2006)
ASTM D-3295 Type I, Class C
- 3) 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.
- 4) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

C. 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

D. Electrical Properties

- 1) Dielectric Strength 1400 V/mil, Min ASTM D149
- 2) Volume Resistivity 1×10^{18} ohm-cm, Min ASTM D876

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- | | | |
|------------------------|-----|---------|
| 3) Dielectric Constant | 2.1 | IEC 250 |
|------------------------|-----|---------|
- E. Chemical Properties**
- | | | |
|----------------------|------------|---------------|
| 1) Water Absorption | 0.01%, Max | ASTM D570 |
| 2) Fungus Resistance | Pass | AMS-DTL-23053 |
| 3) Halogen Free | No | |
- F. Other**
- 1) Packaging
 - a) TFT250-24
1000 FT, 500 FT, 100 FT
 - b) TFT250-22
1000 FT, 500 FT, 100 FT
 - c) TFT250-20
1000 FT, 500 FT, 100 FT
 - d) TFT250-19
1000 FT, 500 FT, 100 FT
 - e) TFT250-18
1000 FT, 500 FT, 100 FT
 - f) TFT250-17
1000 FT, 100 FT
 - g) TFT250-16
1000 FT, 500 FT, 100 FT
 - h) TFT250-15
500 FT, 100 FT
 - i) TFT250-14
500 FT, 100 FT
 - j) TFT250-13
500 FT, 100 FT
 - k) TFT250-12
100 FT
 - l) TFT250-11
500 FT, 100 FT
 - m) TFT250-10
500 FT, 100 FT
 - n) TFT250-9
500 FT, 100 FT
 - o) TFT250-8
100 FT
 - p) TFT250-7
100 FT
 - q) TFT250-6
100 FT
 - r) TFT250-5
100 FT
 - s) TFT250-4
100 FT
 - t) TFT250-3
100 FT
 - u) TFT250-2
100 FT
 - v) TFT250-1
100 FT
 - w) TFT250-0
100 FT

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- 2) Notes:
- a) 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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