

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: TFT200
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Issue: 3
Issue Date: 8/5/2009
Effective Date: 9/4/2009

A. Construction

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

Part Number	Minimum ID (In)	Maximum ID (In)	Minimum Wall Thickness (In)
TFT-200-30	0.010	0.015	0.009
TFT-200-28	0.013	0.018	0.009
TFT-200-26	0.016	0.021	0.009
TFT-200-24	0.020	0.026	0.010
TFT-200-22	0.026	0.032	0.010
TFT-200-20	0.032	0.040	0.012
TFT-200-19	0.036	0.042	0.012
TFT-200-18	0.040	0.046	0.012
TFT-200-17	0.045	0.052	0.012
TFT-200-16	0.051	0.058	0.012
TFT-200-15	0.057	0.065	0.012
TFT-200-14	0.064	0.072	0.012
TFT-200-13	0.072	0.081	0.012
TFT-200-12	0.081	0.091	0.012
TFT-200-11	0.091	0.101	0.012
TFT-200-10	0.102	0.112	0.012
TFT-200-9	0.114	0.124	0.012
TFT-200-8	0.129	0.139	0.015
TFT-200-7	0.144	0.155	0.015
TFT-200-6	0.162	0.174	0.015
TFT-200-5	0.182	0.195	0.015
TFT-200-4	0.204	0.218	0.015
TFT-200-3	0.229	0.244	0.015
TFT-200-2	0.258	0.273	0.015
TFT-200-1	0.289	0.305	0.015
TFT-200-0	0.325	0.342	0.015

B. Industry Approvals

- | | |
|----------|---|
| 1) Other | ASTM D3295-81a Type I Class B
AMS 3655 |
|----------|---|

C. Environmental Approvals

- | | |
|-------------------------------------|--|
| 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): | This product does not contain any of the 16 substances listed on the European Union's REACH Substance of Very High Concern (SVHC) candidate list in excess of 0.1% mass of the item. |
| 3) California Proposition 65: | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65. |

D. Physical & Mechanical Properties

- | | |
|----------------------|---|
| 1) Temperature Range | -75 to 260°C |
| 2) Tensile Strength | 2000psi, Min ASTM D638 |

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- | | | |
|---------------------|-----------|-----------|
| 3) Elongation | 200%, Min | ASTM D638 |
| 4) Specific Gravity | 2.18, Max | ASTM D792 |

E. 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 |

F. 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 | |

G. Other

- 1) Packaging
 - a) TFT-200-30
1000 FT, 500 FT, 100 FT
 - b) TFT-200-28
 - c) TFT-200-26
 - d) TFT-200-24
1000 FT, 500 FT, 100 FT
 - e) TFT-200-22
1000 FT, 500 FT, 100 FT
 - f) TFT-200-20
1000 FT, 500 FT, 100 FT
 - g) TFT-200-19
1000 FT, 100 FT
 - h) TFT-200-18
1000 FT, 500 FT, 100 FT
 - i) TFT-200-17
1000 FT, 500 FT, 100 FT
 - j) TFT-200-16
1000 FT, 500 FT, 100 FT
 - k) TFT-200-15
1000 FT, 100 FT
 - l) TFT-200-14
500 FT, 100 FT
 - m) TFT-200-13
500 FT, 100 FT
 - n) TFT-200-12
500 FT, 100 FT
 - o) TFT-200-11
500 FT, 100 FT
 - p) TFT-200-10
500 FT, 100 FT
 - q) TFT-200-9
500 FT, 100 FT
 - r) TFT-200-8
100 FT
 - s) TFT-200-7
100 FT
 - t) TFT-200-6
100 FT

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- u) TFT-200-5
100 FT
- v) TFT-200-4
100 FT
- w) TFT-200-3
100 FT
- x) TFT-200-2
100 FT
- y) TFT-200-1
100 FT
- z) TFT-200-0
100 FT

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