

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: FIT400
Page 1 of 2 Pages

Issue: 3
Issue Date: 2/3/2009
Effective Date: 2/3/2009

A. Construction

- | | |
|--------------------|------------------------|
| 1) Tubing Type | Heat Shrinkable Tubing |
| 2) Tubing Material | (FEP) |
| 3) Color(s) | NATURAL |

Part Number	Minimum Supplied ID (In)	Maximum Recovered ID (In)	Nominal Recovered Wall Thickness (In)
FIT400-24	0.031	0.027	0.008
FIT400-22	0.036	0.032	0.008
FIT400-20	0.045	0.039	0.008
FIT400-18	0.060	0.049	0.008
FIT400-16	0.075	0.061	0.009
FIT400-14	0.092	0.072	0.009
FIT400-12	0.115	0.089	0.009
FIT400-10	0.141	0.114	0.010
FIT400-9	0.158	0.124	0.010
FIT400-8	0.180	0.143	0.010
FIT400-7	0.197	0.158	0.011
FIT400-6	0.225	0.180	0.011
FIT400-5	0.248	0.198	0.011
FIT400-4	0.290	0.226	0.011
FIT400-3	0.310	0.249	0.011
FIT400-2	0.365	0.280	0.012
FIT400-1	0.400	0.311	0.012
FIT400-0	0.440	0.349	0.012

B. Industry Approvals

- | | |
|-----------------------------------|--|
| 1) Other | AMS-DTL-23053/11 Class 1
REACH Regulation (EC 1907/2006) |
| 2) 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. |

C. Physical & Mechanical Properties

- | | | |
|------------------------------|---------------------|---------------|
| 1) Temperature Range | -75 to 200°C | |
| 2) Shrink Ratio | Approximately 1.2:1 | |
| 3) Full Recovery Temperature | 176°C | |
| 4) Tensile Strength | 2000psi, Min | ASTM D638 |
| 5) Elongation | 200%, Min | ASTM D638 |
| 6) Longitudinal Change | +/-15% | AMS-DTL-23053 |
| 7) Specific Gravity | 2.17, Max | ASTM D792 |
| 8) Shelf Life | 4 Years @ 0 to 35°C | |

D. Electrical Properties

- | | | |
|------------------------|--------------------------------|-----------|
| 1) Dielectric Strength | 2000 V/mil, Min | ASTM D149 |
| 2) Volume Resistivity | 1x10 ¹⁷ ohm-cm, Min | ASTM D876 |

E. Chemical Properties

- | | | |
|---------------------|------------|-----------|
| 1) Water Absorption | 0.01%, Max | ASTM D570 |
|---------------------|------------|-----------|

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- | | | |
|-------------------------|--------------|---------------|
| 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 | |

F. Other

- 1) Packaging
 - a) FIT400-24
25X4 FT
 - b) FIT400-22
25X4 FT
 - c) FIT400-20
25X4 FT
 - d) FIT400-18
25X4 FT
 - e) FIT400-16
25X4 FT
 - f) FIT400-14
25X4 FT
 - g) FIT400-12
25X4 FT
 - h) FIT400-10
25X4 FT
 - i) FIT400-9
25X4 FT
 - j) FIT400-8
25X4 FT
 - k) FIT400-7
25X4 FT
 - l) FIT400-6
25X4 FT
 - m) FIT400-5
50X2 FT
 - n) FIT400-4
50X2 FT
 - o) FIT400-3
50X2 FT
 - p) FIT400-2
50X2 FT
 - q) FIT400-1
50X2 FT
 - r) FIT400-0
50X2 FT

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