

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: FIT350
Page 1 of 2 Pages

Issue: 3
Issue Date: 12/31/2008
Effective Date: 3/1/2009

A. Construction

- | | |
|--------------------|-------------------------|
| 1) Tubing Type | Heat Shrinkable Tubing |
| 2) Tubing Material | Irradiated PVDF (Kynar) |
| 3) Color(s) | CLEAR |

Part Number	Minimum Supplied ID (In)	Maximum Recovered ID (In)	Nominal Recovered Wall Thickness (In)
FIT350-3/64	0.046	0.023	0.010
FIT350-1/16	0.063	0.031	0.010
FIT350-3/32	0.093	0.046	0.010
FIT350-1/8	0.125	0.062	0.010
FIT350-3/16	0.187	0.093	0.010
FIT350-1/4	0.250	0.125	0.012
FIT350-3/8	0.375	0.187	0.012
FIT350-1/2	0.500	0.250	0.012
FIT350-3/4	0.750	0.375	0.017
FIT350-1IN	1.000	0.500	0.019

B. Industry Approvals

- | | |
|-----------------------------------|--|
| 1) UL | Standard 224
VW-1 |
| 2) CSA International | Standard 198 |
| 3) Other | AMS-DTL-23053/8
REACH Regulation (EC 1907/2006) |
| 4) 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 | -55 to 175°C | |
| 2) Shrink Ratio | Approximately 2:1 | |
| 3) Full Recovery Temperature | 175°C | |
| 4) Tensile Strength | 5000psi, Min | ASTM D638 |
| 5) Elongation | 150%, Min | ASTM D638 |
| 6) Low Temperature Flex(-55°C) | no cracking | AMS-DTL-23053 |
| 7) Heat Resistance(250°C,168hrs) | 100% Elongation, Min | ASTM D638 |
| 8) Heat Shock(300°C,4hrs) | no cracking | AMS-DTL-23053 |
| 9) Secant Modulus | 1x10 ⁵ psi, Min | ASTM D882 |
| 10) Longitudinal Change | +/-10% | AMS-DTL-23053 |
| 11) Specific Gravity | 1.80, Max | ASTM D792 |
| 12) Deformation(125°C,1 hr) | 50% Max | UL 224 |
| 13) Shelf Life | 5 Years @ 0 to 35°C | |

D. Electrical Properties

- | | | |
|------------------------|--------------------------------|-----------|
| 1) Dielectric Strength | 800 V/mil, Min | ASTM D876 |
| 2) Volume Resistivity | 1x10 ¹³ ohm-cm, Min | ASTM D876 |

E. Chemical Properties

- | | | |
|----------------------------------|---------------|---------------|
| 1) Water Absorption | 0.50%, Max | ASTM D570 |
| 2) Fluid Resistance(23°C,24 Hrs) | 5000 PSI, Min | AMS-DTL-23053 |
| 3) Vacuum Outgassing - CVCM | 0.03%, Max | ASTM E595 |
| 4) Vacuum Outgassing - TML | 0.11%, Max | ASTM E595 |
| 5) Halogen Free | No | |

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Page 2 of 2 Pages

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6) Lead Free Yes

F. Other

- 1) Packaging
 - a) FIT350-3/64
25X4 FT, 32X6 IN
 - b) FIT350-1/16
25X4 FT, 28X6 IN
 - c) FIT350-3/32
25X4 FT, 24X6 IN
 - d) FIT350-1/8
25X4 FT, 20X6 IN
 - e) FIT350-3/16
25X4 FT, 16X6 IN
 - f) FIT350-1/4
25X4 FT, 12X6 IN
 - g) FIT350-3/8
25X4 FT, 8X6 IN
 - h) FIT350-1/2
5X4 FT, 4X6 IN
 - i) FIT350-3/4
5X4 FT, 2X6 IN
 - j) FIT350-1IN
5X4 FT, 1X6 IN

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