

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 | |

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: FIT350

Page 2 of 2 Pages

Issue: 3

Issue Date: 12/31/2008

Effective Date: 3/1/2009

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

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Alpha Wire:](#)

[FIT3503/64 CL103](#)