

## Customer Specification

### PART NO. FIT-350-1/16

## Construction

1) Tubing Type	Heat Shrinkable Tubing
2) Tubing Material	Irradiated PVDF
3) Minimum Supplied ID(In)	0.063
4) Maximum Recovered ID (In)	0.031
5) Nominal Recovered Wall Thickness(In)	0.010
6) Color(s)	CLEAR

## Applicable Specifications

1) UL	Standard 224	150°C / 600 V <sub>RMS</sub>
	VW-1	
2) Other	AMS-DTL-23053/8	

## Environmental

1) EU Directive 2011/65/EU(RoHS2):	All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for <a href="#">RoHS C of C</a> .
2) REACH Regulation (EC 1907/2006):	This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see <a href="#">Alpha's REACH SVHC Declaration</a> .
3) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

# Properties

<b>Physical &amp; Mechanical Properties</b>		
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 <sup>5</sup> 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 @ 18 to 35°C	
<b>Electrical Properties</b>		
1) Dielectric Strength	800 V/mil, Min	ASTM D876
2) Volume Resistivity	1x10 <sup>13</sup> ohm-cm, Min	ASTM D876
<b>Chemical Properties</b>		
1) Water Absorption	0.50%, Max	ASTM D570
2) Copper stability(250°C,168hrs)	70% Elongation, Min	UL 224
3) Corrosion(250°C,16hrs)	no corrosion	AMS-DTL-23053
4) Fluid Resistance(23°C,24 Hrs)	5000 PSI, Min	AMS-DTL-23053
5) Fungus Resistance	Pass	AMS-DTL-23053
6) Vacuum Outgassing - CVCM	0.03%, Max	ASTM E595
7) Vacuum Outgassing - TML	0.11%, Max	ASTM E595
8) Halogen Free	No	
9) Lead Free	Yes	

# Other

<b>Packaging</b>
25X4 FT, 28X6 IN

[www.alphawire.com](http://www.alphawire.com)

Alpha Wire  
2200 US Highway 27 South  
Richmond, IN 47374

Tel: 1-800-52 ALPHA

Although Alpha Wire ("Alpha") makes every reasonable effort to ensure there 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 had 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.

SpecPDFFooterConfidential



# EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: FIT-350-1/16

FIT-350-1/16, RoHS-Compliant Commencing With 01/12/2004 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above, including all packaging materials, is manufactured in accordance with Directive 2011/65/EU of the European Parliament, better known as the RoHS Directive (commonly known as RoHS 2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. This certification extends to amending Directive 2015/863/EU which expanded the list of restricted substances to 10 items (commonly known as RoHS 3). This product also complies with UK - RoHS. The reader is referred to these Directives for the specific definitions and extents of the Directives. **No Exemptions are required for RoHS Compliance on this item.** Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2014. This product is also in compliance with China RoHS 2 per GB/T 26572-2011.

## Substance

Lead  
Mercury  
Cadmium  
Hexavalent Chromium  
Polybrominated Biphenyls (PBB)  
Polybrominated Diphenyl Ethers (PBDE),  
Including Deca-BDE  
Bis(2-ethylhexyl) phthalate (DEHP)  
Butyl benzyl phthalate (BBP)  
Dibutyl phthalate (DBP)  
Diisobutyl phthalate (DIBP)

## Maximum Control Value

0.1% by weight (1000 ppm)  
0.1% by weight (1000 ppm)  
0.01% by weight (100 ppm)  
0.1% by weight (1000 ppm)  
0.1% by weight (1000 ppm)  
0.1% by weight (1000 ppm)  
0.1% by weight (1000 ppm)  
0.1% by weight (1000 ppm)  
0.1% by weight (1000 ppm)

The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the date of its release. The information provided is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. The intent of this document is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering 16/07/2024

Alpha Wire  
2200 US Highway 27 South  
Richmond, IN 47374  
Tel: 1-908-925-8000