

# Customer Specification PART NO. FIT-650-1/2

## Construction

Heat Shrinkable Tubing
Flexible Fluoroelastomer
.500
0.250
0.035
BLACK
.5 ).2

**Applicable Specifications** 

1) Other	AMS-DTL-23053/13	
	Flammability - Self Extinguishing w/in 15 seconds	
	Secolius	

### 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 RoHS C of C.		
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 Alpha's REACH SVHC Declaration.		
3) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.		

## **Properties**

Physical & Mechanical Properties				
-40 to 200°C				
Approximately 2:1				
175°C				
130°C				
1200psi, Min	ASTM D638			
250%, Min	ASTM D638			
200% Elongation, Min	ASTM D638			
+/-20%	AMS-DTL-23053			
2 Years @ 18 to 35°C				
Electrical Properties				
200 V/mil, Min	ASTM D876			
1x10 <sup>9</sup> ohm-cm, Min	ASTM D876			
Chemical Properties				
0.50%, Max	ASTM D570			
no corrosion	AMS-DTL-23053			
1200 PSI, Min	AMS-DTL-23053			
Pass	AMS-DTL-23053			
0.10%, Max	ASTM E595			
No				
Yes				
	Approximately 2:1  175°C  130°C  1200psi, Min  250%, Min  200% Elongation, Min  +/-20%  2 Years @ 18 to 35°C   200 V/mil, Min  1x10 9 ohm-cm, Min  0.50%, Max  no corrosion  1200 PSI, Min  Pass  0.10%, Max  No	Approximately 2:1  175°C  130°C  1200psi, Min  ASTM D638  250%, Min  ASTM D638  200% Elongation, Min  ASTM D638  +/-20%  AMS-DTL-23053  2 Years @ 18 to 35°C   200 V/mil, Min  ASTM D876  1x10 9 ohm-cm, Min  ASTM D876  0.50%, Max  ASTM D876  0.50%, Max  ASTM D570  AMS-DTL-23053  1200 PSI, Min  AMS-DTL-23053  AMS-DTL-23053  0.10%, Max  ASTM E595		

### Other

Packaging	

www.alphawire.com

Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207 Tel: 1-800-52 ALPHA (25742)

Although Alpha Wire ("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 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.

#### ALPHA WIRE - CONFIDENTIAL AND PROPRIETARY

Notice to persons receiving this document and/or technical information. This document is confidential and is the exclusive property of ALPHA WIRE, and is merely on loan and subject to recall by ALPHA WIRE at any time. By taking possession of this document, the recipient acknowledges and agrees that this document cannot be used in any manner adverse to the interests of ALPHA WIRE, and that no portion of this document may be copied or otherwise reproduced without the prior written consent of ALPHA WIRE. In the case of conflicting contractual provisions, this notice shall govern the status of this document. ©2013 ALPHA WIRE - all rights reserved.



## **EU/China ROHS CERTIFICATE OF COMPLIANCE**

To Whom It May Concern:

Alpha Wire Part Number: FIT-650-1/2

FIT-650-1/2, RoHS-Compliant Commencing With 12/1/2004 Production

This document certifies that the Alpha part number cited above is manufactured in accordance with Directive 2011/65/EU of the European Parliament, better known as the RoHS Directive, with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The reader is referred to this Directive for the specific definitions and extents of this Directive. **No Exemptions are required for RoHS Compliance on this item**. It should be noted that this product does not fall within the scope of Directive 2011/65/EU, but this Certificate is offered for cases where this product will be used within EEE that does fit within the Directive's scope. 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 11364-2006.

Substance	Maximum Control Value
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.01% by weight (100 ppm)
Hexavalent Chromium	0.1% by weight (1000 ppm)
Polybrominated Biphenyls (PBB)	0.1% by weight (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE),	
Including Deca-BDE	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 Company:

Dave Watson, Director of Engineering & QA

5/2/2013