

## Customer Specification

### PART NO. FIT-650-3/8

## Construction

1) Tubing Type	Heat Shrinkable Tubing
2) Tubing Material	Flexible Fluoroelastomer
3) Minimum Supplied ID(In)	0.375
4) Maximum Recovered ID (In)	0.187
5) Nominal Recovered Wall Thickness(In)	0.035
6) Color(s)	BLACK

## Applicable Specifications

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

## 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

Physical & Mechanical Properties		
1) Temperature Range	-40 to 200°C	
2) Shrink Ratio	Approximately 2:1	
3) Full Recovery Temperature	175°C	
4) Minimum Shrink Temperature	130°C	
5) Tensile Strength	1200psi, Min	ASTM D638
6) Elongation	250%, Min	ASTM D638
7) Heat Resistance(250°C,168hrs)	200% Elongation, Min	ASTM D638
8) Longitudinal Change	+/-20%	AMS-DTL-23053
9) Shelf Life	2 Years @ 18 to 35°C	
Electrical Properties		
1) Dielectric Strength	200 V/mil, Min	ASTM D876
2) Volume Resistivity	1x10 <sup>9</sup> ohm-cm, Min	ASTM D876
Chemical Properties		
1) Water Absorption	0.50%, Max	ASTM D570
2) Corrosion(250°C,16hrs)	no corrosion	AMS-DTL-23053
3) Fluid Resistance(23°C,24 Hrs)	1200 PSI, Min	AMS-DTL-23053
4) Fungus Resistance	Pass	AMS-DTL-23053
5) Vacuum Outgassing - TML	0.10%, Max	ASTM E595
6) Halogen Free	No	
7) Lead Free	Yes	

Other

Packaging	
100 FT	

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

Alpha Wire  
2200 US Highway 27 South  
Richmond, IN 47374

Tel: 1-800-52 ALPHA

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Alpha Wire □□□□FIT-650-3/8

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Lead	□□□□□□□□□□0.1% (1000 ppm)
Mercury	□□□□□□□□□□0.1% (1000 ppm)
Cadmium	□□□□□□□□□□0.01% (100 ppm)
Hexavalent Chromium	□□□□□□□□□□0.1% (1000 ppm)
Polybrominated Biphenyls (PBB)	□□□□□□□□□□0.1% (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE), Including Deca-BDE	□□□□□□□□□□0.1% (1000 ppm)
Bis(2-ethylhexyl) phthalate (DEHP)	□□□□□□□□□□0.1% (1000 ppm)
Butyl benzyl phthalate (BBP)	□□□□□□□□□□0.1% (1000 ppm)
Dibutyl phthalate (DBP)	□□□□□□□□□□0.1% (1000 ppm)
Diisobutyl phthalate (DIBP)	□□□□□□□□□□0.1% (1000 ppm)

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DBW

