

## Customer Specification

**PartNo FIT-621-1-1/4**

### Construction

1) Tubing Type	Adhesive Lined Heat Shrinkable Tubing
2) Tubing Material	Dual Wall Flexible PO w/Thick Wall Adhesive
3) Minimum Supplied ID(In)	1.250
4) Maximum Recovered ID(In)	0.220
5) Minimum Recovered Adhesive Wall Thickness(In)	0.060
6) Color(s)	BLACK

### Applicable Specifications

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### 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

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<b>Physical &amp; Mechanical Properties</b>		
1) Temperature Range	-55 to 90°C	
2) Shrink Ratio	Approximately 5.6:1	
3) Full Recovery Temperature	121°C	
4) Tensile Strength	1200psi, Min	ASTM D638
5) Elongation	200%, Min	ASTM D638
6) Low Temperature Flex(-55°C)	no cracking	AMS-DTL-23053
7) Heat Resistance(175°C,168hrs)	100% Elongation, Min	ASTM D638
8) Heat Shock(225°C,4hrs)	no cracking	AMS-DTL-23053
9) Secant Modulus	2.5x10 <sup>4</sup> psi, Min	ASTM D882
10) Longitudinal Change	-10%	AMS-DTL-23053
11) Specific Gravity	1.40, Max	ASTM D792
12) Shelf Life	25 Years @ 18 to 35°C	
<b>Electrical Properties</b>		
1) Dielectric Strength	200 V/mil, Min	ASTM D876
2) Volume Resistivity	1x10 <sup>13</sup> ohm-cm, Min	ASTM D876
3) Dielectric Constant	3.1	IEC 250
<b>Chemical Properties</b>		
1) Water Absorption	0.50%, Max	ASTM D570
2) Corrosion(175°C,16hrs)	no corrosion	AMS-DTL-23053
3) Fluid Resistance(23°C,24 Hrs)	750 PSI, Min	AMS-DTL-23053
4) Fungus Resistance	Pass	AMS-DTL-23053
5) Halogen Free	Yes	
6) Lead Free	Yes	

## Other

<b>Packaging</b>
10X6 IN, 3X6 IN

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

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SpecPDFFooter1

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