

Customer Specification

PART NO. FIT-300-3/16

Construction

1) Tubing Type	Dual Wall Heat Shrinkable Tubing
2) Tubing Material	Dual Wall Semi-Rigid XLPO
3) Minimum Supplied ID(In)	0.187
4) Maximum Recovered ID (In)	0.060
5) Nominal Recovered Wall Thickness(In)	0.043
6) Nominal Recovered Melt Wall (In)	0.025
7) Color(s)	BLACK, WHITE, RED, YELLOW, BLUE, SLATE, BROWN

Applicable Specifications

1) UL	Standard 224 (Except Clear)	125°C / 600 V _{RMS}
2) Other	AMS-DTL-23053/4, Class 1	

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 .

Properties

Physical & Mechanical Properties		
1) Temperature Range	-55 to 125°C	
2) Shrink Ratio	Approximately 2.5:1	
3) Full Recovery Temperature	135°C	
4) Minimum Shrink Temperature	140°C	
5) Tensile Strength	1500psi, Min	ASTM D638
6) Elongation	200%, Min	ASTM D638
7) Cold Impact(-55°C)	no cracking	ASTM D746
8) Heat Shock(250°C,4hrs)	no cracking	AMS-DTL-23053
9) Secant Modulus	2.5x10 ⁴ psi, Min	ASTM D882
10) Longitudinal Change	+1%/-10%	AMS-DTL-23053
11) Specific Gravity	0.99, Max	ASTM D792
12) Shelf Life	3 Years @ 18 to 35°C	
Electrical Properties		
1) Dielectric Strength	500 V/mil, Min	ASTM D876
2) Volume Resistivity	1x10 ¹⁶ ohm-cm, Min	ASTM D876
Chemical Properties		
1) Water Absorption	0.50%, Max	ASTM D570
2) Corrosion(0°C,16hrs)	no corrosion	AMS-DTL-23053
3) Fluid Resistance(23°C,24 Hrs)	1000 PSI, Min	AMS-DTL-23053
4) Fungus Resistance	Pass	AMS-DTL-23053
5) Vacuum Outgassing - CVCM	0.15%, Max	ASTM E595
6) Vacuum Outgassing - TML	0.94%, Max	ASTM E595
7) Halogen Free	Yes	
8) Lead Free	Yes	

Other

Packaging
25X4 FT, 12X6 IN

www.alphawire.com

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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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