

Customer Specification

PART NO. FIT-105-1/8

Construction

1) Tubing Type	Heat Shrinkable Tubing
2) Tubing Material	Irradiated PVC
3) Minimum Supplied ID(In)	0.125
4) Maximum Recovered ID (In)	0.062
5) Nominal Recovered Wall Thickness(In)	0.025
6) Color(s)	BLACK

Applicable Specifications

1) UL	VW-1	
	Standard 224	
2) CSA International	Standard 198	105°C
3) Other	AMS-DTL-23053/2 Class1 Exc Longitudinal Shrinkage	

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.
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Properties

Physical & Mechanical Properties		
1) Temperature Range	-20 to 105°C	
2) Shrink Ratio	Approximately 2:1	
3) Full Recovery Temperature	105 °C	
4) Minimum Shrink Temperature	100°C	
5) Tensile Strength	3000psi, Min	ASTM D638
6) Elongation	300%, Min	ASTM D638
7) Cold Impact(-55°C)	no cracking	ASTM D746
8) Heat Shock(180°C,4hrs)	no cracking	AMS-DTL-23053
9) Secant Modulus	2.5×10^4 psi, Min	ASTM D882
10) Longitudinal Change	+1%/-25%	AMS-DTL-23053
11) Specific Gravity	1.32, Max	ASTM D792
12) Shelf Life	1 Years @ 18 to 35°C	
Electrical Properties		
1) Dielectric Strength	1083 V/mil, Min	ASTM D876
2) Volume Resistivity	1×10^{12} ohm-cm, Min	ASTM D876
Chemical Properties		
1) Water Absorption	1.00%, Max	ASTM D570
2) Corrosion(0°C,16hrs)	no corrosion	AMS-DTL-23053
3) Fungus Resistance	Pass	AMS-DTL-23053
4) Halogen Free	No	
5) Lead Free	Yes	

Other

Packaging

Tel: 1-800-52 ALPHA (25742)

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