



Customer Specification

PART NO. PIF-200-1

Construction

1) Tubing Type	Silicone Rubber Coated Fiberglass Sleeving
2) Tubing Material	Fiberglass Braid coated with Silicone Rubber
3) Minimum ID(In)	0.289
4) Maximum ID(In)	0.311
5) Minimum Wall Thickness(In)	0.020
6) Color(s)	NATURAL

Applicable Specifications

1) UL	Standard 1441	600 V _{RMS}
	VW-1	
2) Military	MIL-I-3190/6 Class 200, Type D, Category C	
3) Other	NEMA TF-1	
	Grade A	
	FMVSS 302	
	SAE ARP 1536 Abrasion Test	

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		
1) Temperature Range	-70 to 200°C	
2) Tensile Strength	1200psi, Min	ASTM D638
3) Elongation	420%, Min	ASTM D638
Electrical Properties		
1) Dielectric Strength	8000 V, Min	ASTM D876
2) Volume Resistivity	6×10^{13} ohm-cm, Min	ASTM D876
3) Dielectric Constant	2.8	IEC 250
Chemical Properties		
1) Corrosion(0°C,16hrs)	no corrosion	AMS-DTL-23053
2) Fungus Resistance	Pass	AMS-DTL-23053
3) Halogen Free	No	
4) Lead Free	Yes	

Other

Packaging

www.alphawire.com

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: PIF-200-1

PIF-200-1 , RoHS-Compliant Commencing With 10/1/2004 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.** 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)

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Authorized Signatory for the Alpha Wire Company:

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5/6/2015

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