2200 US Highway 27 South
Richmond, IN 47374
Tel: 1-800-52 ALPHA
Web: www.alphawire.com

Customer Specification

PART NO. PIF-200-4

Construction

1) Tubing Type	Silicone Rubber Coated Fiberglass Sleeving
2) Tubing Material	Fiberglass Braid coated with Silicone Rubber
3) Minimum ID(In)	0.204
4) Maximum ID(In)	0.224
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	$6x10^{13}$ 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
100 FT

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Although Alpha Wire (“Alpha”) makes every reasonable effort to ensure there accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: PIF-200-4

PIF-200-4, RoHS-Compliant Commencing With 01/10/2004 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above is manufactured in accordance with Directive 2011/65/EU of the European
2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. T
the list of restricted substances to 10 items (commonly known as RoHS 3) The reader is referred to these Directives for the specific definitio
Compliance on this item. Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control c

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)
Bis(2-ethylhexyl) phthalate (DEHP)	0.1% by weight (1000 ppm)
Butyl benzyl phthalate (BBP)	0.1% by weight (1000 ppm)
Dibutyl phthalate (DBP)	0.1% by weight (1000 ppm)
Diisobutyl phthalate (DIBP)	0.1% by weight (1000 ppm)

The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the d
guide for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. The intent of this c
Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and reg

Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering & QA 28/08/2025

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