
ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: PIF-130

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Issue: 8

Issue Date: 4/29/2009

Effective Date: 5/29/2009

A. Construction

- | | |
|-------------|----------------------------------|
| 1) Product | PVC Coated Fiberglass Sleeving |
| 2) Material | Fiberglass Braid coated with PVC |

B. Physical Properties

- | | |
|-----------------------|---|
| 1) Appearance | Homogeneous Surface Free From Pinholes, Defects, Cracks, Seams and Inclusions |
| 2) Surface Marking | None |
| 3) Dimensions | See Table 1 |
| 4) Color | Black |
| 5) Temperature Rating | -20° to +130°C |
| 6) Voltage Rating | 600V _{rms} |
| 7) Flammability | Pass, VW-1 (NEMA FT-1) |
| 8) Grade | A |
| 9) MIL-I-3190/2 | Class 130, Type B, Category b |

Table 1

Part Number	Minimum Wall Thickness	Minimum Inside Diameter	Maximum Inside Diameter
PIF-130-24	0.011	0.020	0.027
PIF-130-22	0.013	0.025	0.032
PIF-130-20	0.013	0.032	0.039
PIF-130-18	0.015	0.040	0.049
PIF-130-16	0.015	0.051	0.061
PIF-130-14	0.015	0.064	0.074
PIF-130-12	0.015	0.081	0.091
PIF-130-10	0.018	0.102	0.112
PIF-130-8	0.018	0.129	0.141
PIF-130-6	0.020	0.162	0.178
PIF-130-4	0.020	0.204	0.224
PIF-130-2	0.020	0.258	0.278
PIF-130-0	0.025	0.325	0.347
PIF-130-3/8	0.025	0.375	0.399
PIF-130-7/16	0.025	0.438	0.462
PIF-130-1/2	0.025	0.500	0.524
PIF-130-5/8	0.025	0.625	0.655
PIF-130-3/4	0.025	0.750	0.786
PIF-130-7/8	0.025	0.875	0.911
PIF-130-1	0.025	1.000	1.036

C. Chemical Properties

- | | |
|----------------------|-------------------------|
| 1) Corrosion | Non-Corrosive |
| 2) Fungus Resistance | Does not support growth |

This technical specification outlines the requirements for the products described herein. Deviations from this specification are **not permitted** without the written authorization of the Alpha Wire Engineering Department. All finished products will be inspected to this specification and noncompliance or unauthorized deviations will be cause for rejection and return of product. All information contained herein is confidential. It's use is restricted to authorized Alpha Wire Company personnel or authorized vendors of the Alpha Wire Company. Under no circumstances shall this document be duplicated in any form or shown to/discussed with unauthorized personnel without the expressed written consent of the Alpha Wire Engineering Department.

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D. Industry Approvals and Ratings

- | | |
|-------------|------------------|
| 1) UL | UL Standard 1441 |
| 2) NEMA | TF-1 |
| 3) Military | MIL-I-3190/2 |

E. Environmental Approvals

EU Directive 2002/95/EC(RoHS):

All materials used in the manufacture and packaging of this part must meet the requirement of EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment.

REACH Regulation (EC 1907/2006):

Materials used in the manufacture of this part must not appear on the EU REACH Substance of Very High Concern (SVHC) candidate list.

California Proposition 65:

The outer surface materials of this product must be in accordance with CA Proposition 65 and contain no greater than 300 ppm of lead and meet all other chemical

F. Packaging Requirements

- | | |
|---------------------|---------------------------------|
| 1) Length Tolerance | Per ASTM-D372-00 Paragraph 7.2. |
| 2) Standard Package | See Table 2 |

Table 2

Part Number	Total Footage
PIF-130-24	100, 500, 1000
PIF-130-22	100, 500, 1000
PIF-130-20	100, 500, 1000
PIF-130-18	100, 500, 1000
PIF-130-16	100, 1000
PIF-130-14	100
PIF-130-12	100, 500
PIF-130-10	100, 500
PIF-130-8	100, 500
PIF-130-6	100, 250
PIF-130-4	100, 250
PIF-130-2	100, 250
PIF-130-0	100
PIF-130-3/8	100
PIF-130-7/16	100
PIF-130-1/2	100
PIF-130-5/8	100
PIF-130-3/4	100
PIF-130-7/8	100
PIF-130-1	100

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G. Splice Information

Ft. Spool	Maximum # of splices permitted
100	3
250	4
500	7
1000	10

Note: Minimum length is 10ft.

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