

**ALPHA WIRE COMPANY**  
**CUSTOMER PRODUCT SPECIFICATION**

Part Number: PIF-200  
Page 1 of 2 Pages

Issue: 4  
Issue Date: 6/14/2004  
Effective Date: 7/19/2004

**A. Construction**

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

**B. Physical Properties**

- |                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| 1) Appearance         | Free From Pinholes, Defects, Cracks, Seams and Inclusions |
| 2) Surface Marking    | None                                                      |
| 3) Dimensions         | See Table 1                                               |
| 4) Color              | Natural                                                   |
| 5) Temperature Rating | -70° to +200°C                                            |
| 6) Voltage Rating     | 600V <sub>rms</sub>                                       |
| 7) Flammability       | Pass, NEMA VS-1                                           |
| 8) Grade              | A                                                         |
| 9) MIL-I-3190/6       | Class 20, Type D, Category C                              |

Table 1

| Part Number  | Nominal Wall Thickness | Nominal Inside Diameter | Nominal Outside Diameter |
|--------------|------------------------|-------------------------|--------------------------|
| PIF-200-24   | 0.030                  | 0.022                   | 0.082                    |
| PIF-200-22   | 0.030                  | 0.027                   | 0.087                    |
| PIF-200-20   | 0.030                  | 0.034                   | 0.094                    |
| PIF-200-18   | 0.030                  | 0.042                   | 0.102                    |
| PIF-200-17   | 0.030                  | 0.047                   | 0.107                    |
| PIF-200-16   | 0.030                  | 0.053                   | 0.113                    |
| PIF-200-15   | 0.030                  | 0.059                   | 0.119                    |
| PIF-200-14   | 0.045                  | 0.066                   | 0.156                    |
| PIF-200-13   | 0.045                  | 0.076                   | 0.166                    |
| PIF-200-12   | 0.045                  | 0.085                   | 0.175                    |
| PIF-200-11   | 0.045                  | 0.095                   | 0.185                    |
| PIF-200-10   | 0.045                  | 0.106                   | 0.196                    |
| PIF-200-9    | 0.045                  | 0.118                   | 0.208                    |
| PIF-200-8    | 0.045                  | 0.133                   | 0.223                    |
| PIF-200-7    | 0.045                  | 0.148                   | 0.238                    |
| PIF-200-6    | 0.045                  | 0.166                   | 0.256                    |
| PIF-200-5    | 0.045                  | 0.186                   | 0.276                    |
| PIF-200-4    | 0.045                  | 0.208                   | 0.298                    |
| PIF-200-3    | 0.045                  | 0.234                   | 0.324                    |
| PIF-200-2    | 0.055                  | 0.263                   | 0.373                    |
| PIF-200-1    | 0.055                  | 0.294                   | 0.404                    |
| PIF-200-0    | 0.055                  | 0.330                   | 0.440                    |
| PIF-200-3/8  | 0.055                  | 0.387                   | 0.497                    |
| PIF-200-7/16 | 0.065                  | 0.450                   | 0.58                     |
| PIF-200-1/2  | 0.065                  | 0.512                   | 0.642                    |
| PIF-200-5/8  | 0.065                  | 0.640                   | 0.770                    |

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**C. Chemical Properties**

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

**D. Industry Approvals and Ratings**

- |             |                  |
|-------------|------------------|
| 1) UL       | UL Standard 1441 |
| 2) NEMA     | VS-1             |
| 3) Military | MIL-I-3190E      |