
ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: FIT295

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Issue: 4

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A. Construction

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|-------------|----------------------------------|
| 1) Product | Heat Shrinkable Tubing |
| 2) Material | Irradiated Semi-Rigid Polyolefin |

B. Physical Properties

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|------------------------|--|
| 1) Shrink Ratio | Approximately 2:1 |
| 2) Shrink Temperature | 130°C, Nominal |
| 3) Appearance | Homogeneous Surface, Free From Pinholes, Defects, Cracks, Seams and Inclusions |
| 4) Surface Marking | None |
| 5) Dimensions | See Table 1 |
| 6) Colors | Black, Clear (Translucent) |
| 7) Temperature Rating | -55° to +135°C, Continuous |
| 8) Tensile Strength | 2000 PSI, Minimum (ASTM D638) |
| 9) Ultimate Elongation | 200%, Minimum (ASTM D638) |
| 10) Flammability | Class 1: Flame resistant. Pass, UL-244 VW-1
Class 2: Flammable (clear only) |
| 11) Specific Gravity | Class 1: 1.35 (ASTM D792)
Class 2: 1.00 (ASTM D792) (clear only) |

Table 1

Part Number	Minimum Supplied I.D.	Maximum Recovered I.D.	Nominal Recovered Wall Thickness
FIT-295-3/64	0.046	0.023	0.020
FIT-295-1/16	0.063	0.031	0.020
FIT-295-3/32	0.093	0.046	0.020
FIT-295-1/8	0.125	0.062	0.020
FIT-295-3/16	0.187	0.093	0.025
FIT-295-1/4	0.250	0.125	0.025
FIT-295-3/8	0.375	0.187	0.030
FIT-295-1/2	0.500	0.250	0.030

C. Electrical Properties

- | | |
|------------------------|--|
| 1) Dielectric Strength | 500 v/mil, Minimum (ASTM D876) |
| 2) Volume Resistivity | 10 ¹⁴ Ohm-cm, Minimum (ASTM D876) |

D. Chemical Properties

- | | |
|---------------------------------|---|
| 1) Corrosion (16 hours @ 150°C) | No Corrosion (AMS-DTL-23053) |
| 2) Water Absorption | Class 1: 0.5 % Maximum (ASTM D570)
Class 2: 0.2 % Maximum (ASTM D570) (clear only) |

E. Industry Approvals and Ratings

- | | |
|-------------|---|
| 1) UL | UL Standard 224* 125C 600V VW-1 |
| 2) CSA | CSA 22.2 No. 198* 125C 600V |
| 3) Military | AMS-DTL-23053/6, Class 1, 2 (except Longitudinal Creep) |

* Clear not Flame Retardant but is UL Recognized/CSA Listed