

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: FIT295
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Issue: 4
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A. Construction

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

B. Physical Properties

- 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 10¹⁴ 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