



**Alpha Wire Company**

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**Product Specification: FIT - 650**

**Date Issued: 9/15/00**

**Product Description:** Black, Flame Retardant, Flexible Irradiated Viton Heat Shrinkable Tubing, MIL-I-23053/13A.

**Note:** All dimensions are in inches unless otherwise specified.

**Construction Requirements**

**Physical Properties:**

Operating Temperature Range	-40°C to 200°C
Shrinkage Ratio	Approximately 2:1 at 175°C
Dimensions	Shall Conform To Table 1
Tensile Strength	1800 psi
Elongation	250%
Longitudinal Shrinkage	20%, Maximum
Specific Gravity	2.0

**Chemical:**

Corrosive Effect	Non-Corrosive
Flammability	Self-Extinguishing, does not support combustion
Water Absorption (24 hours at 25°C)	0.5%

**Electrical:**

Dielectric Strength (Volts/mil)	200
Volume Resistivity	10 <sup>14</sup> Ohm/cm

**Table 1**

<b><u>Part Number</u></b>	<b><u>Minimum Supplied I.D.</u></b>	<b><u>Maximum Recovered I.D.</u></b>	<b><u>Nominal Recovered Wall Thickness</u></b>
FIT-650-1/8	0.125	0.062	0.030
FIT-650-3/16	0.187	0.093	0.033
FIT-650-1/4	0.250	0.125	0.033
FIT-650-3/8	0.375	0.187	0.033
FIT-650-1/2	0.500	0.250	0.033
FIT-650-3/4	0.750	0.375	0.042
FIT-650-1	1.000	0.500	0.049