

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: FIT221-MS-2
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Issue: 2
Issue Date: 2/25/2004
Effective Date: 2/25/2004

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 121°C, Nominal
- 3) Appearance Homogeneous Surface, Free From Pinholes, Defects, Cracks, Seams and Inclusions
- 4) Surface Marking Nominal Inside Diameter
- 5) Dimensions See Table 1
- 6) Colors Yellow, Blue, Red & Black
- 7) Temperature Rating -55° to +135°C, Continuous
- 8) Tensile Strength 1500 PSI, Minimum
- 9) Ultimate Elongation 200%, Minimum
- 10) Flammability Self-Extinguishing
- 11) Longitudinal Shrinkage 5% Maximum
- 12) Specific Gravity 1.35

C. Electrical Properties

- 1) Dielectric Strength 500 v/mil, Minimum
- 2) Volume Resistivity 1.0¹⁴ Ohm-cm, Minimum

D. Chemical Properties

- 1) Corrosion Effect Passes Copper Stability Test
- 2) Fungus Resistance No Growth

E. Industry Approvals and Ratings

- 1) UL UL Standard 224 125C 600V
- 2) CSA CSA 22.2 No. 198 125C 600V
- 3) Military AMS-DTL-23053/5C Class 1

F. Finished Product Requirements

- 1) Tubing Length 6", Each Length-Size Identified
- 2) Number of Sizes 4, See Table 1
- 3) Number of Lengths Per Size 4 Each
- 4) Colors See Table 1

Table 1

Part Number	Minimum Supplied I.D.	Maximum Recovered I.D.	Nominal Recovered Wall Thickness	Color
FIT-221-1/4	0.250	0.125	0.025	Yellow
FIT-221-3/8	0.375	0.187	0.025	Blue
FIT-221-1/2	0.500	0.250	0.025	Red
FIT-221-3/4	0.750	0.375	0.030	Black