
ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: FIT600

Page 1 of 2 Pages

Issue: 4

Issue Date: 11/12/2008

Effective Date: 11/12/2008

A. Construction

- | | |
|--------------------|------------------------|
| 1) Tubing Type | Heat Shrinkable Tubing |
| 2) Tubing Material | Chlorinated Polyolefin |
| 3) Color(s) | BLACK |
| 4) Dimension | See Table 1 |

Table 1

Part Number	Minimum Supplied ID	Maximum Recovered ID	Nominal Recovered Wall Thickness
FIT600-1/4	0.250	0.143	0.035 +/-0.010
FIT600-3/8	0.375	0.211	0.040 +/-0.010
FIT600-1/2	0.500	0.286	0.048 +/-0.015
FIT600-5/8	0.625	0.357	0.052 +/-0.015
FIT600-3/4	0.750	0.428	0.057 +/-0.015
FIT600-7/8	0.875	0.500	0.065 +/-0.020
FIT600-1IN	1.000	0.570	0.070 +/-0.020
FIT600-1 1/4	1.250	0.714	0.087 +/-0.020
FIT600-1 1/2	1.500	0.857	0.095 +/-0.020
FIT600-1 3/4	1.750	1.000	0.107 +/-0.020
FIT600-2IN	2.000	1.140	0.110 +/-0.020
FIT600-3IN	3.000	1.710	0.125 +/-0.020

B. Industry Approvals

- | | |
|-----------------------------------|-------------------------------|
| 1) Other | AMS-DTL-23053/1 Class 1 and 2 |
| 2) EU Directive 2002/95/EC(RoHS): | |

All materials used in the manufacture and packaging of this part meet the requirement of EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment.

C. Physical & Mechanical Properties

- | | | |
|------------------------------|----------------------|-----------------|
| 1) Temperature Range | -75 to 120°C | |
| 2) Shrink Ratio | 1.75:1 | |
| 3) Full Recovery Temperature | 130°C | AMS-DTL-23053/1 |
| 4) Tensile Strength | 1500psi, Min | ASTM D638 |
| 5) Elongation | 250%, Min | ASTM D638 |
| 6) Heat Shock (200°C, 4hrs) | no cracking | AMS-DTL-23053/1 |
| 7) Longitudinal Shrinkage | +1, -10% | AMS-DTL-23053/1 |
| 8) Water Absorption | 1.00%, Max | ASTM D570 |
| 9) Specific Gravity | 1.30, Max | ASTM D792 |
| 10) Shelf Life | 1 Years @ 18 to 35°C | AMS-DTL-23053/1 |

D. Electrical Properties

- | | | |
|------------------------|--------------------------------|-----------|
| 1) Dielectric Strength | 300 V/mil, Min | ASTM D876 |
| 2) Volume Resistivity | 1x10 ¹¹ ohm-cm, Min | ASTM D876 |

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Page 2 of 2 Pages

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E. Other

1) Packaging

See Table 2

Table 2

Alpha P/N	Put Up
FIT600-1/4	150 FT
	25 FT
FIT600-3/8	150 FT
	25 FT
FIT600-1/2	150 FT
	25 FT
FIT600-5/8	150 FT
	25 FT
FIT600-3/4	100 FT
	25 FT
FIT600-7/8	100 FT
	25 FT
FIT600-1IN	100 FT
	25 FT
FIT600-1 1/4	100 FT
	25 FT
FIT600-1 1/2	100 FT
	25 FT
FIT600-1 3/4	100 FT
	25 FT
FIT600-2IN	75 FT
	25 FT
FIT600-3IN	50 FT
	25 FT

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