
ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: FIT-300
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Issue: 3
Issue Date: 6/8/2004
Effective Date: 6/8/2004

-NOTE: ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED-

CONSTRUCTION

Product	Heat Shrinkable Tubing
Material	Dual Wall Irradiated Polyolefin

PHYSICAL PROPERTIES

Shrink ratio	Approximately 6:1 To 3:1 Depending On Size
Shrink Temperature	140°C, Nominal
Appearance	Homogeneous Surface, Free From Pinholes, Defects, Cracks, Seams, Inclusions and Chemical Bloom
Dimensions	See Table 1
Colors	Black, Brown, Slate, White, Red, Yellow and Blue
Temperature Rating, Continuous	-55°C to + 110°C
Tensile Strength	1500 psi, Min.
Ultimate Elongation	200%, Min.

ELECTRICAL PROPERTIES

Dielectric Strength	500 Volts/Mil, Min.
Volume Resistivity	10 ¹⁵ Ohm-Cm, Min.

FLAMMABILITY

Flammability	Non-Flame retardant
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CHEMICAL PROPERTIES

Water Absorption	0.5%, Max.
Color Stability	Meets AMS-DTL-23053/4 Requirements
Corrosive Effect	Non corrosive
Fungus Resistance	Does not support growth
Water Absorption	0.1% maximum

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FINISHED PRODUCT REQUIREMENTS

Product Print Legend
Standard Package

None
See Table 2

Governing Documents

UL Standard 224
AMS-DTL-23053
AMS-DTL-23053/4 Class 1*

TABLE 1: DIMENSIONAL INFORMATION				
Alpha Part Number	Supplied ID, Min.	Recovered ID, Max.	Recovered Total Wall Thickness	Recovered Inner Wall Thickness, Nom.
FIT300-1/8	0.125	0.023	0.038 ± .006	0.020
FIT300-3/16	0.187	0.060	0.043 ± .006	0.025
FIT300-1/4	0.250	0.080	0.047 ± .007	0.027
FIT300-3/8	0.375	0.135	0.050 ± .007	0.030
FIT300-1/2	0.500	0.195	0.055 ± .007	0.035
FIT300-3/4	0.750	0.313	0.065 ± .007	0.040
FIT300-3/10	0.300	0.050	0.110 Nom.	0.065

TABLE 2: PACKAGING INFORMATION				
Alpha P/N	4' lengths # of Pieces	Box Size	6" Lengths # of Pieces	Colors
FIT300-1/8	25	2 x 2	14	Black & Brown
FIT300-3/16	25	2 x 2	12	Black & Slate
FIT300-1/4	25	2 x 2	10	Black & White
FIT300-3/8	25	3¼ x 3¼	8	Black & Red
FIT300-1/2	5	2 x 2	6	Black & Blue
FIT300-3/4	5	3¼ x 3¼	4	Black & Yellow
FIT300-3/10	25	3¼ x 3¼	4	Black & Blue

* FIT-300-3/10 is not required to meet the wall requirements of AMS-DTL-23053/4.