

MIL-DTL-23053/1C,
CLASS 2†,

MIL-R-46846, TYPE 1, CLASS 1†,

UL STANDARD 224, CSA STANDARD 198, RoHS COMPLIANT

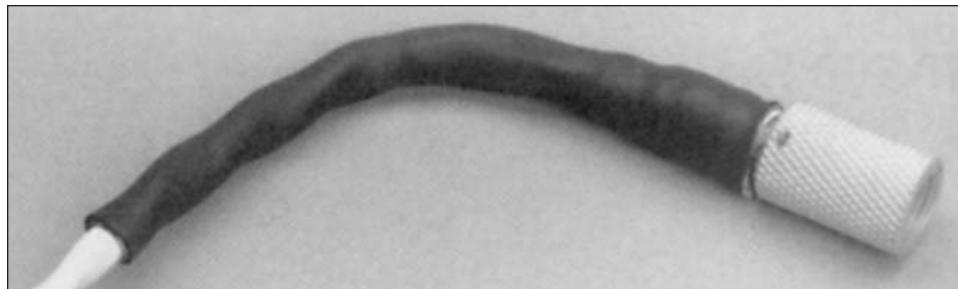
FIT® Preferred Heat Shrink Products

HIGHLY-FLEXIBLE IRRADIATED ELASTOMER

FIT®-600

CHOOSE FIT®-600 FOR:

- Improved Flexibility
- More than Twice the Tensile Strength of Silicone Rubber
- Large Tubing Diameters
- Oil Resistance and Flame Retardancy
- Abrasion Resistance
- Use with **XTRA•GUARD**® 4



FIT®-600 APPLICATIONS:

- Military and Commercial Harnesses
- Cold Temperature Flexing
- Machine Tool and Automation Equipment
- **XTRA•GUARD**® 4 Applications
- **XTRA•GUARD**® Flexible Cable Applications

CHARACTERISTICS

OPERATING TEMPERATURE:

- -70°C to 121°C

SHRINKAGE RATIO:

- Approximately 1.75 to 1 at 135°C

COLOR DESCRIPTION:

- All Standard Packages: Black

PHYSICAL PROPERTIES:

- Tensile Strength: 1500 psi, (106 kg/cm²)
- Ultimate Elongation: 225%
- Longitudinal Shrinkage: -10%
- Specific Gravity: 1.5
- Flammability: Self-Extinguishing (UL VW-1, CSA OFT)

CHEMICAL PROPERTIES:

- Corrosive Effect: Non-Corrosive
- Fungus Resistance: Inert
- Water Absorption: 1.0%
- Chemical Resistance: JP4, Aviation Gas, Hydraulic Fluids

ELECTRICAL PROPERTIES:

- Dielectric Strength: 1/4" to 1" 300V/mil (118 kV/cm)
1-1/4" to 3" 200V/mil (79 kV/cm)
- Volume Resistivity: 10¹¹ ohm-cm

SPECIFICATIONS

- MIL-DTL-23053/1C, Class 2†
- MIL-R-46846, Type 1, Class 1†
- UL Standard 224
- CSA Standard 198
- Passes UL VW-1 Flame Test
- Passes CSA OFT Flame Test
- RoHS Compliant

Recognized Component
Underwriters Laboratories Inc.

Passes UL VW-1 Flame Test
Underwriters Laboratories Inc.

RoHS Compliant
Certified
Canadian Standards Association

Alpha Part No. and Size	Minimum Supplied I.D.		Maximum Rec. I.D.		Nom. Rec. Wall Thickness		Std. Put-Up Spools Feet
	Inches	mm	Inches	mm	Inches	mm	
FIT-600-1/4	0.250	6,35	0.143	3,63	0.035	0,88	25, 150
FIT-600-3/8	0.375	9,53	0.214	5,44	0.040	1,02	25, 150
FIT-600-1/2	0.500	12,70	0.286	7,26	0.048	1,22	25, 150
FIT-600-5/8	0.625	15,90	0.357	9,07	0.052	1,32	25, 150
FIT-600-3/4	0.750	19,10	0.428	10,91	0.057	1,45	25, 100
FIT-600-7/8	0.875	22,22	0.500	12,70	0.065	1,65	25, 100
FIT-600-1	1.000	25,40	0.570	14,58	0.070	1,78	25, 100
FIT-600-1-1/4	1.250	31,75	0.714	18,13	0.087	2,21	25, 100
FIT-600-1-1/2	1.500	38,10	0.857	21,87	0.095	2,41	25, 100
FIT-600-1-3/4	1.750	44,45	1.000	25,40	0.107	2,72	25, 75
FIT-600-2	2.000	50,80	1.140	28,95	0.110	2,79	25, 75
FIT-600-3	3.000	76,20	1.710	43,43	0.125	3,18	25, 50

1.75 TO 1 SHRINK RATIO

**Recommended For Use With
XTRA•GUARD® 4
Extra-Protection, High/Low
Temperature TPE Jacketed Cables and
Oil-Resistant
XTRA•GUARD® Flexible Cables
Permanent Solutions For
Critical Flexing Applications!**

†FIT-600 does not contain polychloroprene/neoprene but meets the physical properties of MIL-DTL-23053/1C, Class 2 and MIL-R-46846 Type 1, Class 1 specifications.

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