

Polyolefin heat-shrink tubing

## FITCOTUBE<sup>®</sup> FT400

Flexible, flame resistant Polyolefin-tube with high shrink ratio. Because of the high shrink rate of 4 : 1 its particularly suitable for repair of cable assemblies without disassembling any connectors. Protection, insulation and mechanical strain relief of wires, cables and devices with large differences in diameter.

**Operating temperature:** - 55°C to +135°C, short time up to + 250°C

**Shrink temperature:** + 90° C

**Shrink ratio:** 4 : 1

**Standard colors:** Black. Other colors on request.



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after full recovery (max.)	after full recovery (nom.)
FT400-2540	25.40	6.60	1.52
FT400-3810	38.10	9.50	1.52
FT400-5040	50.80	12.70	1.52
FT400-7620	76.20	19.10	1.52
FT400-10160	101.60	25.40	1.52

**Packaging:** Up to and including size 5040: 1.2-meter-lengths.  
size 7620 and 10160: 0.9-meter-lengths.  
Special sizes on request.

**Processing note:** Care for clean and accurate cutting edge.  
Start shrinkage on the end.  
Pre-heat metal body.

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## FITCOTUBE® FT400

Attributes	Testing	Requirements	Value
<b>Mechanical</b>			
Tensile Strength	ASTM D 638	min. 10.4 MPa	≥ 12 MPa
Ultimate Elongation	ASTM D 638	min. 200 %	≥ 400 %
Longitudinal Change	SAE-AMS-DTL-23053	± 5 %	± 3 %
Specific Gravity	ASTM D 792	max. 1.35	1.34
Elastic Modulus	ASTM D 882	max. 173 Mpa	65 Mpa
<b>Thermal</b>			
Low temperature flexibility (- 55 °C x 4h)	SAE-AMS-DTL-23053	no cracking	pass
Elongation after heat ageing (175°C x 168h)	SAE-AMS-DTL-23053	min. 100 %	420 %
Sort term ageing (250°C x 4h)	SAE-AMS-DTL-23053	no flowing or dripping	pass
Colour stability (175°C x 24h)	SAE-AMS-DTL-23053	unchanged	pass
Flammability	UL 224	VW-1 (self-extinguishing)	pass
<b>Electrical</b>			
Dielectric Strength	ASTM D 876	min. 19.7 kV/mm	≥ 37 kV/mm
Volume Resistivity	ASTM D 876	min. 10 <sup>14</sup> Ω/cm	3.1 x 10 <sup>14</sup> Ω/cm
<b>Chemical</b>			
Copper Corrosion (150°C x 16h)	SAE-AMS-DTL-23053	no corrosion	pass
Water absorption	ASTM D 570	max. 0.5 %	0.25 %
Fungus Resistance	SAE-AMS-DTL-23053	ASTM G 21	pass