

Polyolefin heat-shrink tubing

## FITCOTUBE® FT800

Dual-wall polyolefin heat shrink tubing with high shrink ratio and hot melt adhesive coating. Insulation, protection and sealing of connectors, solder and crimp splices and electrical components in areas where liquids are present. Corrosion protection of metal components (tubing, pipes etc.).

**Operating temperature:** - 55°C to +125°C, short time up to +250°C

**Shrink temperature:** + 110° C

**Shrink ratio:** 3:1 and 4:1

**Standard colors:** Black

**Specification:** UL File E191539, CSA



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
<b>3 : 1</b>			
FT800-3/1	3,00	0,60	0,95
FT800-4,5/1,5	4,80	1,50	1,10
FT800-6/2	6,40	2,00	1,20
FT800-9/3	9,50	3,00	1,30
FT800-12/4	12,70	4,00	1,40
FT800-19/6	19,00	6,00	1,80
FT800-24/8	24,00	8,00	2,50
FT800-40/13	40,00	13,00	2,50
<b>4 : 1</b>			
FT800-4/1	4,00	1,00	1,00
FT800-8/2	8,00	2,00	1,20
FT800-12/3	12,00	3,00	1,40
FT800-16/4	16,00	4,00	1,80
FT800-24/6	24,00	6,00	2,20
FT800-32/8	32,00	8,00	2,50
FT800-52/13	52,00	13,00	2,55

**Packaging:** Cut-Lengths of 1200 mm in bags/boxes, spools and non-standard sizes: On request

GREMCO GmbH · Sterzinger Str. 6 · D-86165 Augsburg · T +49.821.272 63-0 · F +49.821.272 63-55 · info@gremco.de · www.gremco.de

FITCO® = trademark of GREMCO

All of the above information is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Gremco make no warranties as to the accuracy or completeness of the information, and disclaims any liability regarding its use. Gremco's only obligations are those in the Standard Terms and Conditions of Sale for this product, and in no case will Gremco be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use or misuse of the product.

Polyolefin heat-shrink tubing

## FITCOTUBE® FT800

Attributes	Testing	Typical Value
<b>Mechanical</b>		
Tensile strength	ASTM D 638	≥ 15 MPa
Ultimate elongation	ASTM D 638	≥ 350 %
Longitudinal change	SAE-AMS-DTL-23053	≥ - 7 %
Secant Modulus	ASTM D 882	≤ 80 MPa
<b>Thermal</b>		
Heat Shock (250°C x 4h)	SAE-AMS-DTL-23053	No crack, flowing or dripping
Operating Temperature	UL 224	-55 up to 125°C
Min. Shrink Temperature	Shrink curve	110°C
Cold Impact (-55°C x 4h)	SAE-AMS-DTL-23053	No cracking
Copper Corrosion (158°C x 168h)	SAE-AMS-DTL-23053	No corrosion
Colour Stability (175°C x 24h)	SAE-AMS-DTL-23053	No change
<b>Electrical</b>		
Voltage Rating		600V
Dielectric Voltage Withstand (2,5kV x 60s)	UL224	No breakdown
Volume Resistivity	ASTM D 876	≥ 10 <sup>14</sup> ohm * cm
Dielectric Strength	ASTM D 876	≥ 20 kV/mm
<b>Chemical</b>		
Flammability	ASTM D 2671 (B)	Max. 60 sec.
Water Absorption	ASTM D 570	≤ 0,5 %
Fluid Resistance (after immersion 23°C x 24h)	SAE-AMS-DTL-23053	Min. 6,2 MPa Tensile Strength
Fluid Resistance (after immersion 23°C x 24h)	SAE-AMS-DTL-23053	Min. 7,9 kV/mm Dielectric Strength
<b>Other Properties</b>		
Sealing Efficiency	SAE-AMS-DTL-23053	No openings on reheat