

Polyolefin Heat-Shrink Tubing

FITCOTUBE[®] FT888

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 +110°C, short time +225°C

Shrink temperature: 110° C

Shrink ratio: 3:1 and 4:1

Standard colors: Black



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
3:1			
FT888-3/1	3,0	1,0	0,95
FT888-4,5/1,5	4,5	1,5	1,10
FT888-6/2	6,0	2,0	1,20
FT888-9/3	9,0	3,0	1,30
FT888-12/4	12,0	4,0	1,40
FT888-19/6	19,0	6,0	1,80
FT888-24/8	24,0	8,0	2,50
FT888-40/13	40,0	13,0	2,50
4:1			
FT888-4/1	4,0	1,0	1,00
FT888-8/2	8,0	2,0	1,20
FT888-12/3	12,0	3,0	1,40
FT888-16/4	16,0	4,0	1,80
FT888-24/6	24,0	6,0	2,20
FT888-32/8	32,0	8,0	2,50

Packaging: Cut-Lengths of 1200 mm in bags/boxes
Spools and nonstandard sizes: On request

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Attributes	Testing	Typical Value
Mechanical		
Tensile strength	ASTM D 638	≥ 16 MPa
Ultimate elongation	ASTM D 638	≥ 350 %
Longitudinal change	SAE-AMS-DTL-23053	-7 %
Secant Modulus	ASTM D 882	65 MPa
Thermal		
Heat Shock (225°C x 4h)	SAE-AMS-DTL-23053	No cracking, flowing or dripping (outer wall)
Operating Temperature	Life-Curve	-55 up to 110°C
Elongation after heat ageing (175°C x 168h)	SAE-AMS-DTL-23053	220%
Shrink Temperature	Arrhenius-Plot	≥ 110°C
Cold Impact (-55°C x 4h)	SAE-AMS-DTL-23053	No cracking
Copper Corrosion (121°C x 16h)	SAE-AMS-DTL-23053	No corrosion
Colour Stability (175°C x 24h)	SAE-AMS-DTL-23053	No change
Electrical		
Voltage Rating	-	600V
Dielectric Voltage Withstand (2,5kV x 60s)	UL224	No breakdown
Volume Resistivity	ASTM D 876	≥ 10 ¹³ Ω*cm
Dielectric Strength	ASTM D 876	≥ 20 kV/mm
Chemical		
Flammability	ASTM D 2671 (B)	≤ 60 sec. (pass)
Water Absorption	ASTM D 570	0,3 %