

Polyolefin heat-shrink tubing

FITCOTUBE[®] FT800E-HT

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: > 100° C

Shrink ratio: 4:1

Standard colors: Black



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
4 : 1			
FT800E-HT-4/1	4.0	1.00	1.02
FT800E-HT-8/2	4.8	1.50	1.00
FT800E-HT-12/3	12.0	3.00	1.30
FT800E-HT-16/4	16.0	4.0	1.78
FT800E-HT-24/6	24.0	6.0	2.1
FT800E-HT-32/8	32.0	8.0	2.5
FT800E-HT-52/13	52.0	13.0	2.5

Packaging: Cut-Lengths of 1,000 mm in bags/boxes, spools and non standard sizes: On request

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Attributes	Testing	Typical Value
Mechanical		
Tensile strength	ASTM D 638	11 N/mm ²
Elongation at break	ASTM D 638	300%
Longitudinal change	ASTM D 2671	-15% to +1%
Specific gravity	ASTM D 792	1.45
Thermal		
Heat Shock (250°C x 4h)	ASTM D 2671	No dripping, cracking or flowing
Heat Aging (157°C x 168h)	ASTM D 638	Elongation 250%
Low temp. flexibility at -55°C	ASTM 2671 C	No cracking
Flammability	ASTM D 2671 B	pass
Electrical		
Dielectric Strength	ASTM D 2671	15 kV/mm
Volume Resistivity	ASTM D 257	10 ¹⁴ Ohm * cm
Chemical		
Water absorption	ASTM D 570	<= 0.5%
Adhesive properties		
Peel strength EN 60684-2; 54	PE:	147 N/25mm
	Steel:	157 N/25mm
	Aluminium:	200 N/25mm
	Copper:	135 N/25mm