

Polyolefin Heat-Shrink Tubing

FITCOTUBE® FT-WB-U

FITCOTUBE® FT-WB-U is a hot-melt adhesive lined, heat-shrink tubing designed to provide excellent insulation, moisture protection and sealing of electrical splices. The product is particularly suited for encapsulation of wire to metal splices within the automotive sector protecting wires from corrosion.

FITCOTUBE® FT-WB-U will also provide superior strain relief, mechanical protection against abrasion, cut through and flexing.

Operating temperature:	-40°C to +130°C
Min. shrink temperature:	+100°C
Min. full shrink temperature:	+ 135°C
Shrink ratio:	4:1
Standard colors:	Black, Clear



Dimensions:

Description	As supplied		After shrinkage	
	ID min. (mm)	WT nom. (mm)	ID max. (mm)	WT nom.** (mm)
FT-WB-U 400	4.0	0.45	1.0	1.0
FT-WB-U 570	5.7	0.45	1.3	1.2
FT-WB-U 740	7.4	0.55	1.7	1.6
FT-WB-U 900	9.0	0.65	2.3	1.8
FT-WB-U 1100	11.0	0.65	2.4	2.0
FT-WB-U 1200	12.0	0.65	2.5	2.2
FT-WB-U 1400	14.0	0.80	3.0	2.2
FT-WB-U 1830	18.3	0.75	4.4	2.4
FT-WB-U 2600	26.0	0.65	6.5	2.4

**Wall thickness will be less if tubing recovery is restricted during shrinkage.

Tolerance from nominal, ≤30% eccentricity.

Packaging: Basically cut to length according to customer requirements, otherwise 1.2 meter rods.

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Attributes	Testing	Requirements
Mechanical		
Tensile strength	ASTM D 2671	≥10.3 MPa
Breakdown elongation	ASTM D 2671	≥250 %
Longitudinal change	ASTM D 2671	-7% to +3%
Secant Modulus at 2 % (recovered)	ASTM D 2671	≥137 MPa
Dynamic cut through	ASTM D 3032	≥13.6 kg
Volume resistivity	ASTM D 2671	≥1.0×10 ¹⁴ Ω*cm
Thermal		
Heat shock (225°C x 4 hrs)	ASTM D 2671	No dripping, flowing or cracking of outer jacket
Flammability colors Clear	ISO 6722 FMVSS302	Self-extinguishing within 60s Application dependet