

Polyolefin Heat-Shrink Tubing

# FITCOTUBE® FT-WB-U-NH

FITCOTUBE® FT-WB-U-NH is a dual wall heat-shrink tubing which is free of halogen. It offers a high shrinkage rate and is particularly suitable for waterproof sealing and insulation protection in the automotive industry (wiring harness wire connectors, terminals and components).

**Operating temperature:** -40°C to +125°C  
**Min. full shrink temperature:** +125°C  
**Shrink ratio:** 4:1  
**Standard colors:** Clear/Black (outer jacket/inner layer)



Description	Inner diameter (min.)	Inner diam. (max.)	Wall thickness (nom.)	Adhesive thickness (nom.)
	As supplied (mm)	After shrinkage (mm)		
FT-WB-U-NH 575	5.75	1.25	1.20	0.60
FT-WB-U-NH 750	7.50	1.65	1.60	0.80
FT-WB-U-NH 1100	11.00	2.40	2.00	1.00
FT-WB-U-NH 1400	14.00	3.00	2.20	1.20
FT-WB-U-NH 1830	18.30	4.35	2.40	1.40

**Packaging:** Basically cut to length according to customer requirements.

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Attributes	Testing	Requirements
<b>Mechanical</b>		
Tensile strength	ISO 37	≥ 10MPa
Breakdown elongation	ISO 37	≥250%
Secant Modulus at 2 % (outer layer/recovered)	ASTM D 882	≥75MPa
Longitudinal change	ASTM D 2671	≥ -10%
Volume resistivity	ASTM D 2671	≥ 1.0×10 <sup>12</sup> Ω*cm
Dielectric strength	IEC 243	≥16kV / mm
Scrape abraision	ISO 6722	dim. 5.75, 500 cycles min to cut through dim. 11, 5000 cycles min to cut through
Specific gravity	ISO 1183	≤1.20
<b>Thermal</b>		
Heat ageing (125°C x 3000hrs) - Visual - Insulation resistance	--	No cracking of tubing jacket ≥2x10 <sup>8</sup> Ω
Inner wall flow	--	Total blocking (in at least one area of the splice length)
Split resistance	--	No splitting at 200°C
Thermal indentation	ISO 6722	Minimum of 40% residual wall thickness
<b>Chemical</b>		
Flammability	FMVSS302	≤100mm/min.
Copper mirror corrosion (150°C/16h)	ASTM D 2671	No corrosion of the copper mirror
Water absorption	ISO 62	≤0.5%