

Elastomer Heat-Shrink Tubing

## FITCOTUBE® FT200U

FITCOTUBE® FT200U is a soft radiation cross-linked polyolefin elastomer heat shrink tubing which is particularly suitable for the connection, insulation and protection of various wires and cables (including military equipment).

FITCOTUBE® FT200U offers excellent resistance to diesel, lubricating oil and hydraulic oil and is flame retardant.

**Operating temperature:** -75°C to +150°C  
**Min. full shrink temperature:** +150°C  
**Shrink ratio:** 2:1  
**Standard color:** Black  
 Other colors on request

Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
FT200U-320	3.20	1.60	0.75
FT200U-480	4.80	2.40	0.85
FT200U-640	6.40	3.20	0.90
FT200U-950	9.50	4.80	1.00
FT200U-1270	12.70	6.40	1.20
FT200U-1910	19.00	9.50	1.45
FT200U-2540	25.40	12.70	1.80
FT200U-3810	38.00	19.00	2.40
FT200U-5080	50.80	25.40	2.79
FT200U-5700	57.00	29.00	2.90
FT200U-6300	63.00	32.00	3.00
FT200U-7600	76.00	38.00	3.18

\*Special sizes on request

**Packaging:** On spools, cut lengths on request.

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## FITCOTUBE® FT200U

Properties	Test Method	Typical Value
<b>Mechanical</b>		
Tensile strength	ASTM D2671	≥11.7MPa
Ultimate elongation	ASTM D2671	≥250%
Tensile strength of 100% ultimate elongation	ASTM D2671	≤8.3MPa
Density	ASTM D2671	≤1.50g/cm <sup>3</sup>
Hardness (Shore A)	ASTM D2671	80 ±10
<b>Thermal</b>		
Heat shock (225°C/4h)	ASTM D2671	No cracking, flowing or dripping
Long term aging (168h x 150°C) Ultimate Elongation Tensile strength	ASTM D2671	≥200% ≥10.4MPa
Low temperature flexibility (-65°C/4h)	ASTM D2671	No cracking
Flammability	ASTM D2671	Burning time ≤60s; no burning or charring of indicato
<b>Electrical</b>		
Dielectric strength	ASTM D2671	≥11.9kV/mm
Volume resistance	ASTM D2671	≥1.0x10 <sup>9</sup> Ωxcm
<b>Chemical</b>		
Water absorption (23°C/24h)	ASTM D2671	≤2%
Copper corrosion (135°C/16h)	ASTM D2671	No dents or blackeing of the copper surface
Liquid resistance (23°C/24h) Tensile strength Ultimate elongation Dielectric strength	SAE AS23053/16	≥10.4MPa ≥200% ≥7.9kV/mm