

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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Properties	Test Method	Typical Value
Mechanical		
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 ³
Hardness (Shore A)	ASTM D2671	80 ±10
Thermal		
Heat shock (225°C/4h)	ASTM D2671	No cracking, flowing or dripping
Long term aging (168h x 150°C)	ASTM D2671	≥200%
Ultimate Elongation		≥10.4MPa
Tensile strength	ASTM D2671	No cracking
Low temperature flexibility (-65°C/4h)		Burning time ≤60s; no burning or charring of indicato
Flammability	ASTM D2671	
Electrical		
Dielectric strength	ASTM D2671	≥11.9kV/mm
Volume resistance	ASTM D2671	≥1.0x10 ⁹ Ωxcm
Chemical		
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)	SAE AS23053/16	≥10.4MPa
Tensile strength		≥200%
Ultimate elongation		≥7.9kV/mm
Dielectric strength		