Elastomer Heat-Shrink Tubing

FITCOTUBE® FT200-TW

FITCOTUBE® FT200-TW is a heat shrinkable tubing made of cross-linked elastomer with extra thin wall thickness. It is flexible, flame retardant and offers good resistance against abrasion, liquids and diesel. It is suitable for long term and high temperature applications up to 150°C.

FITCOTUBE® FT200-TW provides excellent mechanical and electrical protection for cables and bundles and is suitable for military, marine and aerospace applications.

Operating temperature: -75°C to +150°C

Full Shrink temp.: +170°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.)
FT200-240	2.40	1.20	0.55
FT200-320	3.20	1.60	0.55
FT200-480	4.80	2.40	0.55
FT200-640	6.40	3.20	0.65
FT200-950	9.50	4.80	0.65
FT200-1270	12.70	6.40	0.65
FT200-1900	19.00	9.50	0.85
FT200-2540	25.40	12.70	0.95
FT200-3180	31.80	15.90	1.05
FT200-3800	38.00	19.00	1.05

Packaging: On spools, cut lengths or printed tubing on request.
Special sizes on request.

Processing note: Care for clean and straight cutting edges. Start shrinkage on the end.
Pre-heat metal body.

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Properties	Test Method	Typical Value
Mechanical		
Tensile strength	IEC 60684-2	≥20 MPa
Ultimate elongation	IEC 60684-2	≥520%
Longitudinal change	ASTM D2671	±10% max.
Secant module	ASTM D882	30 MPa max.
Spec. weight	ASTM D792, A-I	1.5g/cm³
Thermal		
Heat shock (4h x 215°C) Tensile strength after heat shock	IEC 811-1-2	Pass 12 MPa
Long term aging (168h x 160°C) Ultimate Elongation Tensile strength	IEC 811-1-2	 220% 13 MPa
Low temperature flexibility	ASTM D2671 Meth.C	no break at -75°C
Flammability	UL224	flame retardant
Electrical		
Dielectric strength	VDE 0303 Part 2	≥22 kV/mm*
Volume resistance	VDE 0303 Part 3	10^{12} Ωxcm
Chemical		
Water absorption	VDE 0472	1.10%
Corrosion resistance	ASTM D2671 Meth. A	no corrosion
Copper corrosion	ASTM D2671 Meth. B	no corrosion
Resistance against chemicals		good

*dependant on wall thickness, min. 12kV/mm

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