

Elastomer heat-shrink tubing

FITCOTUBE® FT200

Highly flexible, abrasion resistant elastomer-heat shrink tube with excellent fuel resistance. Protection of wires and cables, primarily use in military vehicles as well as in commercial aircraft. Sensor cable use in demanding automotive applications. High flexibility at low temperatures.

Operating temperature:	- 75°C to + 150°C
Shrink temperature:	+ 130° to + 250° C
Shrink ratio:	2 : 1
Standard colors:	Black



Standard dimensions:

Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after full recovery (max.)	after full recovery (nom.)
FT200-320	3.20	1.60	0.80
FT200-480	4.80	2.40	0.90
FT200-640	6.40	3.20	1.00
FT200-950	9.50	4.80	1.10
FT200-1270	12.7	6.40	1.30
FT200-1900	19.0	9.50	1.50
FT200-2540	25.4	12.7	1.90
FT200-3800	38.0	19.0	2.50
FT200-5100	51.0	25.4	3.10
FT200-7600	76.0	38.0	3.10

Packaging: On Spools.
Cut and printed lengths on request.

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

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Attributes	Testing	Value
Mechanical		
Longitudinal Change	ASTM-D 2671	± 10% max.
Tensile strength	IEC 60684-2	18 MPa
Ultimate Elongation	IEC 60684-2	420 %
secant modulus	ASTM-D 882	30 MPa max.
specific weight	ASTM-D 792, A-I	1.5 g/cm ³ max.
Thermal		
Fire behavior	UL 224	self-extinguishing
Elongation at break (160°C x 168h)	IEC 60684-2	200%
Tensile strength	IEC 60684-2	12 MPa
Heat shock (200°C x 4h)	IEC 811-1-2	pass
Tensile strength after heat shock	IEC 811-1-2	11 MPa
Low temperature flexibility	ASTM-D 2671 Meth. C	no cracking (-75°C)
Electrical		
Dielectric strength	VDE 0303 Part 2	15 KV/mm (depending on wall thickness)
Volume resistivity	VDE 0303 Part 3	10 ¹² Ω x cm
Chemical		
Water absorption	VDE 0473	1.10 %
Chemical resistance		good
Copper Corrosion	ASTM-D 2671 method B	no corrosion