

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  
**Full shrink temperature:** +180°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.)
FT200-320	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	12.70	6.40	1.30
FT200-1900	19.00	9.50	1.50
FT200-2540	25.40	12.70	1.90
FT200-3800	38.00	19.00	2.50
FT200-5100	51.00	25.40	3.10
FT200-7600	76.00	38.00	3.30

**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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## FITCOTUBE® FT200

Properties	Test Method	Typical Value
<b>Mechanical</b>		
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/cm <sup>3</sup>
<b>Thermal</b>		
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
<b>Electrical</b>		
Dielectric strength	VDE 0303 Part 2	≥22 kV/mm*
Volume resistance	VDE 0303 Part 3	10 <sup>12</sup> Ωxcm
<b>Chemical</b>		
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