

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.

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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)	IEC 811-1-2	Pass
Tensile strength after heat shock		12 MPa
Long term aging (168h x 160°C)	IEC 811-1-2	220%
Ultimate Elongation		13 MPa
Tensile strength	ASTM D2671 Meth.C	no break at -75°C
Low temperature flexibility		flame retardant
Flammability	UL224	
<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