

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:	+100°C to +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.)
FT200-320	3.20	1.60	0.60 – 0.90
FT200-480	4.80	2.40	0.65 – 1.05
FT200-640	6.40	3.20	0.70 – 1.10
FT200-950	9.50	4.80	0.80 – 1.20
FT200-1270	12.7	6.40	0.90 – 1.50
FT200-1900	19.0	9.50	1.10 – 1.80
FT200-2540	25.4	12.7	1.35 – 2.25
FT200-3800	38.0	19.0	1.90 – 2.90
FT200-5100	51.0	25.4	2.30 – 3.30
FT200-7600	76.0	38.0	2.60 – 3.80
FT200-10200	102.0	51.0	2.90 – 4.30

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

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Properties	Test Method	Requirements	Typical Value
Mechanical			
Abrasion resistance	VG 95343-5	Procedure A & B	Pass
Tensile strength	VG 95343-5	Min. 12 MPa	≥ 19 MPa
Ultimate elongation	VG 95343-5	350%	≥ 450%
Longitudinal change	VG 95343-5	3% to -10%	Pass
Secant module	VG 95343-5	15 to 35 MPa	22 MPa
Thermal			
Low temperature flexibility (4h x -75°C)	VG 95343-5	No cracks	Pass
Heat shock (4h x 215°C)	VG 95343-5	No cracking, flowing or dripping	Pass
Tensile strength after heat shock (4h x 215°C)	VG 95343-5	Min. 8 MPa	≥ 10 MPa
Elongation after heat shock (4h x 215°C)	VG 95343-5	Min. 200%	≥ 300%
Elongation after long term aging (168h x 160°C)	VG 95343-5	Min. 200%	≥ 290%
Tensile strength after long term aging (168h x 160°C)	VG 95343-5	Min. 10 MPa	≥ 11 MPa
Elongation after copper compatibility (168h x 135°C)	VG 95343-5	Min. 200%	≥ 240%
Long term aging test	VG 95343-5	Min. 75% (Elongation)	≥ 120%
Flammability	VG 95343-5	Procedure A	Pass
Electrical			
Dielectric strength	VG 95343-5	Min. 8 kV/mm	≥ 20 kV/mm
Volume resistance	VG 95343-5	Min. 10 ¹¹ Ωxcm	≥ 3,5 x 10 ¹¹ Ωxcm
Chemical			
Water absorption	VG 95343-5	Max. 2,0%	≤ 1,3%
Fungus resistance	VG 95343-5 (ISO 846 A+B)	Tensile strength: Min. 12 MPa / Elongation: Min. 350%	Pass
Ozone resistance	NF F 00-608	No cracking or sweating	Pass
Resistance to sea water (168h x 50°C)	VG 95343-5	Tensile strength: Min. 12 MPa / Elongation: Min. 350%	Pass
Fluid resistance (incl. diesel fuel)	VG 95343-5	Min. 12 MPa (Tensile strength)	≥ 16 MPa
Fluid resistance (incl. diesel fuel)	VG 95343-5	Min. 300% (Elongation)	≥ 350%
Fluid resistance (incl. diesel fuel)	VG 95343-5	Max. 10% (Mass change)	≤ 5%