

Polyolefin heat-shrink tubing

## FITCOTUBE® FT500

Flexible, flame-retardant heat-shrink tubing universally applicable. Use as encasement, insulation and labelling of wires and cables in predominantly commercial industrial use.

<b>Operating temperature:</b>	- 55°C to + 125°C short time up to + 200°C
<b>Shrink temperature:</b>	+ 90° C
<b>Shrink ratio:</b>	2 : 1
<b>Standard colors:</b>	Black, Blue, Red, Yellow, Green, White and other colors on request.



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
FT500-120	1.20	0.60	0.41
FT500-160	1.60	0.80	0.43
FT500-240	2.40	1.20	0.51
FT500-320	3.20	1.60	0.51
FT500-480	4.80	2.40	0.51
FT500-640	6.40	3.20	0.64
FT500-950	9.50	4.80	0.64
FT500-1270	12.70	6.40	0.64
FT500-1900	19.10	9.50	0.76
FT500-2540	25.40	12.70	0.89
FT500-3200	31.80	15.90	1.02
FT500-3800	38.10	19.10	1.02
FT500-5100	50.80	25.40	1.14
FT500-7600	76.20	38.10	1.27
FT500-10200	101.60	50.80	1.40

**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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Attributes	Testing	Value
<b>Mechanical</b>		
Tensile strength	ASTM D 638	13 MPa
Ultimate elongation	ASTM D 638	400 %
Longitudinal change	SAE-AMS-DTL-23053	- 5 %
Specific density	ASTM D 792	1.33
Elastic modulus	ASTM D 882	110 MPa
<b>Thermal</b>		
Low temperature flexibility (- 55° C x 4h)	SAE-AMS-DTL-23053	pass
Elongation after long-term aging (150° C x 168h)	SAE-AMS-DTL-23053	210 %
Short term ageing (225° C x 4h)	SAE-AMS-DTL-23053	pass
Copper Corrosion (175°C x 16h)	SAE-AMS-DTL-23053	pass
<b>Electrical</b>		
Dielectric strength	ASTM D 876	≥ 25 KV/mm
Volume resistivity	ASTM D 876	4.7 x 10 <sup>14</sup> Ω/cm
<b>Chemical</b>		
Flammability	ASTM D 2671	pass
Water absorption	ASTM D 570	0.35 %