

## Polyolefin Heat-Shrink Tubing

### FITCOTUBE® FT500 clear

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

**Operating temperature:** - 55°C to + 105°C, short time +200°C

**Shrink temperature:** +115°C

**Shrink ratio:** 2 : 1

**Standard colors:** Clear



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
FT500-120	1,20	0,60	0,40
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	19,00	9,50	0,76
FT500-2400	24,00	9,50	0,76
FT500-2540	25,40	12,70	0,89
FT500-2700	27,00	12,70	0,89
FT500-3200	32,00	16,00	0,89
FT500-3800	38,00	19,00	1,02
FT500-5100	51,00	26,00	1,14
FT500-7600	76,00	38,00	1,18

**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	Requirements	Value
<b>Mechanical</b>			
Tensile strength	ASTM D 638	Min. 10,4 MPa	23 MPa
Ultimate elongation	ASTM D 638	Min. 200%	≥ 450%
Longitudinal change	JIS C 2133	-5% ± 10%	- 5 %
Elastic modulus	ASTM D 882	Max. 173 MPa	75 MPa
Specific density	ASTM D 792	-	0,94
<b>Thermal</b>			
Elongation after heat aging (168h x 136°C)	ASTM D 638	Min. 100%	≥ 440%
Low temperature flexibility (4h x -55°C)	SAE-AS23053	No cracking	Pass
Heat shock (4h x 200°C)	SAE-AS23053	No cracking, flowing or dripping	Pass
<b>Electrical</b>			
Volume resistance	ASTM D 876	Min. 10 <sup>16</sup> Ωxcm	5,3 x 10 <sup>16</sup> Ωxcm
Dielectric strength	ASTM D 876	-	≥20 kV/mm
Nominal voltage	-	-	600V
Breakdown test (60s x 2,5kV)	UL 224	-	Pass
<b>Chemical</b>			
Flammability	FMVSS 302	FMVSS 302	Pass
Water absorption	ASTM D 570	-	0,08%
Fluid resistance (24h x 24°C)	SAE-AS23053	Min. 6,9 MPa (Tensile strenght)	≥ 13 MPa
Fluid resistance (24h x 24°C)	SAE-AS23053	Min. 100% (Elongation)	≥ 100%