

Polyolefin heat-shrink tubing

FITCOTUBE® FT500E

Flexible heat-shrink tubing universally applicable. Use as encasement, mechanical relief of wires and cables, protection against environmental influences and marking via different colors.

Operating temperature:	- 55°C to + 135°C
Shrink temperature:	+ 90° C
Shrink ratio:	2 : 1
Standard colors:	Black, Blue, Red, Yellow, Green, White, Brown, Green-Yellow, Gray, Clear and other colors on request.
Approvals:	UL File E191514 (all colors except clear)



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
FT500E-120	1.20	0.60	0.41
FT500E-160	1.60	0.80	0.43
FT500E-240	2.40	1.20	0.51
FT500E-320	3.20	1.60	0.51
FT500E-480	4.80	2.40	0.51
FT500E-640	6.40	3.20	0.64
FT500E-950	9.50	4.80	0.64
FT500E-1270	12.70	6.40	0.64
FT500E-1900	19.00	9.50	0.77
FT500E-2540	25.40	12.70	0.89
FT500E-3800	38.10	19.10	1.02
FT500E-5100	50.80	25.40	1.14
FT500E-7600	76.20	38.10	1.27
FT500E-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
Mechanical		
Tensile strength	ASTM D 638	13 N/mm ²
Ultimate elongation	ASTM D 638	350 %
Longitudinal change	ASTM D 2671	- 5 % up to + 5 %
Specific density	ASTM D 792	1.45 g/cm ³
Water absorption	ASTM D 570	0.20 %
Thermal		
Low temperature flexibility (- 55°C)	ASTM D 2671 C	no cracking
Elongation after long-term aging (175° C x 168h)	ASTM D 638	250 %
Short term ageing (250° C x 4h)	ASTM D 2671	no cracking, flowing or dripping
Fire behavior	UL 224	pass (only coloured heat-shrink tubings)
Electrical		
Dielectric strength	ASTM D 2671	20 kV/mm
Volume resistivity	ASTM D 257	10 ¹⁶ Ω/cm
Chemical		
Copper Corrosion (175°C x 16h)	ASTM D 2671 B	not corrosive
Chemical resistance	ASTM-DTL-23053/5	good