

Polyolefin heat-shrink tubing

FITCOTUBE[®] FT101

Flexible, flame resistant, bicolored extruded heat-shrink tubing. Use as insulation and marking of cables, wires and ground conductors.

Operating temperature: - 55°C to + 135°C, short time + 250°C

Shrink temperature: + 90° C

Shrink ratio: 2 : 1

Standard colors: Yellow-Green

Specification: UL File E191514, CSA



Standard dimensions:

Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
2 : 1			
FT101-320	3.20	1.60	0.51
FT101-480	4.80	2.40	0.51
FT101-640	6.40	3.20	0.64
FT101-950	9.50	4.80	0.64
FT101-1270	12.70	6.40	0.64
FT101-1910	19.10	9.50	0.76
FT101-2540	25.40	12.70	0.89
FT101-3810	38.10	19.10	1.02
FT101-5080	50.80	25.40	1.14

Packaging: On spools. Special sizes, cut lengths tubing 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	≥ 14 MPa
Ultimate elongation	ASTM D 638	≥ 400 %
Longitudinal change	SAE-AMS-DTL-23053	0 %
Specific density	ASTM D 792	1.34
Elastic modulus	ASTM D 882	65 MPa
Thermal		
Low temperature flexibility (-55°C x 4 h)	SAE-AMS-DTL-23053	no cracking
Elongation after long-term ageing (175°C x 168 h)	SAE-AMS-DTL-23053	420 %
Short-term ageing (250°C x 4 h)	SAE-AMS-DTL-23053	no cracking, flowing or dripping
Fire behavior	UL 224, VW-1	self-extinguishing
Electrical		
Dielectric strength	ASTM D 876	37 kV/mm
Volume resistivity	ASTM D 876	3.1 x 10 ¹⁴ Ω/cm
Chemical		
Copper corrosion (175°C 16 h)	SAE-AMS-DTL-23053	no corrosion
Water absorption	ASTM D 570	0.25 %