

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:** 3 : 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.)
3 : 1			
FT101-1.5/0.5	1.5	0.50	0.50
FT101-3/1	3.00	1.00	0.60
FT101-4.8/1.6	4.80	1.60	0.51
FT101-6/2	6.00	2.00	0.70
FT101-9/3	9.00	3.00	0.80
FT101-9.5/3.2	9.50	3.20	0.64
FT101-12/4	12.00	4.00	0.85
FT101-12.7/4.7	12.70	4.70	0.71
FT101-18/6	18.00	6.00	1.00
FT101-24/8	24.00	8.00	1.20
FT101-40/13	40.00	10.00	1.25

**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
<b>Mechanical</b>		
Tensile strength	ASTM D 638	≥ 12 MPa
Ultimate elongation	ASTM D 638	≥ 400 %
Longitudinal change	SAE-AMS-DTL-23053	- 7 %
Elastic modulus	ASTM D 882	65 MPa
<b>Thermal</b>		
Low temperature flexibility (-55°C x 4 h)	SAE-AMS-DTL-23053	no cracking
Elongation after long-term ageing (158°C x 168 h)	SAE-AMS-DTL-23053	≥ 400 %
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
<b>Electrical</b>		
Dielectric strength	ASTM D 876	≥ 37 kV/mm
Volume resistivity	ASTM D 876	3.1 x 10 <sup>14</sup> Ω/cm
<b>Chemical</b>		
Copper corrosion (168°C x 168 h)	SAE-AMS-DTL-23053	no corrosion
Water absorption	ASTM D 570	0.25 %