

Polyolefin-Heat-Shrink Tubing

FITCOTUBE® FT330

Flexible, flame retardant, universally applicable tube with high shrinkage capacity. Use for protection, isolation, mechanical relief of cables and components with large diameter differences. Ideal multi-purpose shrink tubing, as a wide range of diameters can be covered with just a few sizes.

Operating temperature: - 55°C to + 125°C, short time up to + 225°C

Shrink temperature: + 90°C

Shrink ratio: 3 : 1

Standard color: Black



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
FT330-3/1	3.00	1.00	0.60
FT330-6/2	6.00	2.00	0.70
FT330-9/3	9.00	3.00	0.80
FT330-12/4	12.00	4.00	0.85
FT330-18/6	18.00	6.00	1.00
FT330-24/8	24.00	8.00	1.20

Special sizes on request

Packaging: On Spools. Cut and printed lengths on request.

Processing note: Care for clean and straight cutting edges. Start shrinkage on the end.
Pre-heat metal body.

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Properties	Test Method	Requirements	Typical Value
Mechanical			
Tensile strength	ASTM D 638	Min. 10.4 MPa	13 MPa
Ultimate elongation	ASTM D 638	Min. 200%	≥ 350 %
Longitudinal change	SAE-AS23053	- 5% ± 10%	- 7%
Elastic modulus	ASTM D 882	Max. 173 MPa	< 150 MPa
Specific density	ASTM D 792	Max. 1.35	1.33
Thermal			
Low temperature flexibility (4h x - 55°C)	SAE-AS23053	No cracking	Pass
Elongation after long term aging (168h x 150°C)	SAE-AS23053	Min. 100% Elongation	> 200%
Heat shock (4h x 225°C)	SAE-AS23053	No cracking, flowing or dripping	Pass
Flammability	ASTM D 2671	Procedure B	Pass
Electrical			
Dielectric strength	ASTM D 876	Min. 19.7 kV/mm	≥ 20 kV/mm
Volume resistance	ASTM D 876	Min. 10 ¹⁴ Ω*cm	4.7 x 10 ¹⁴ Ω*cm
Nominal voltage	-	-	600V
Breakdown test (60s x 2,5kV)	SAE-AS23053	No breakthrough	Pass
Chemical			
Water absorption	ASTM D 570	Max. 0.5%	Pass
Copper corrosion (16h x 175°C)	SAE-AS23053	No corrosion	Pass
Fluid resistance (24h x 24°C)	SAE-AS23053	Min. 6.9MPa (Tensile strength)	Pass