

Polyolefin Heat-Shrink Tubing

FITCOTUBE® FT900

Semi-rigid, radiation-crosslinked polyolefin shrink tubing with heat-melting inner layer. Is used for sealing and encapsulation as well as mechanical protection against permanent wire and cable connections.

Operating temperature: - 55° C to + 110° C, short time up to +250° C

Shrinking temperature: + 150° C

Shrink ratio: from 3:1 to 5:1

Standard color: black

Approvals/Specifications: Mil Spec. M23053/4



Description*	Inner diameter (mm)		Wall thickness (mm)
	Ass supplied (min.)	After shrinking (max.)	After shrinking (nom.)
FT900-320	3,20	0,60	0,97
FT900-480	4,80	1,50	1,10
FT900-640	6,40	2,00	1,20
FT900-950	9,50	3,00	1,27
FT900-1270	12,70	4,00	1,40
FT900-1900	19,00	8,00	1,65
FT900-2540	25,40	10,20	1,90

*Special sizes on request

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

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

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Attributes	Testing	Requirements	Value
Mechanical			
Tensile Strength	ASTM D 638	Min. 10,4 MPa	18 MPa
Elongation at Break	ASTM D 638	Min. 200%	390%
Longitudinal Change	SAE-AMS-DTL-23053	-10% bis +1%	-7%
Secant Modulus	ASTM D 882	Min. 173 MPa	253 MPa
Thermal			
Cold Impact (-55°C x 4h)	ASTM D 746	no cracking	pass
Heat Resistance (175°C x 168h)	SAE-AMS-DTL-23053	no cracking	pass
Heat Shock (250°C x 4h)	SAE-AMS-DTL-23053	no crack, flowing or dripping	pass
Electrical			
Dielectric strength	ASTM D 876	Min. 19,7kV/mm	≥ 36 kV/mm
Volume resistivity	ASTM D 876	Min. 10 ¹⁵ Ω*cm	4,6 x 10 ¹⁶ Ω*cm
Chemical			
Water absorption	ASTM D 570	Max. 0,5%	0,1%
Copper compatibility (121°C x 16h)	SAE-AMS-DTL-23053	-	pass