

Medium-walled Polyolefin Heat-Shrink Tubing

FITCOTUBE® FT-SCM

Electrical insulation, pressure-tight sheathing, corrosion and moisture protection for all areas of energy supply, telecommunications technology and pipeline construction.

Operating temperature: - 55°C to + 120°C
Shrink temperature: + 170°C
Shrink ratio: 3 : 1
Standard colors: Black
 Other colors on request



Description	Inner diameter (mm)*		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
FT-SCM-04	10.20	3.80	1.50
FT-SCM-07	19.00	5.60	2.00
FT-SCM-11	28.00	9.50	2.00
FT-SCM-13	33.00	10.20	2.00
FT-SCM-15	38.10	12.70	2.30
FT-SCM-17	44.00	14.00	2.30
FT-SCM-20	52.10	18.20	2.30
FT-SCM-27	70.00	25.50	2.30
FT-SCM-35	90.00	30.00	2.50
FT-SCM-50	12.00	40.00	2.50

* The inner diameter is not guaranteed.

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

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Packaging: On spools, cut lengths or printed tubing on request. Special sizes on request.

Attributes	Testing	Requirements	Value
Mechanical			
Longitudinal change	IEC	+5% to -10%	-5%
Tensile strength	ASTM D 638	Min. 10.0 MPa	≥ 20 MPa
Ultimate elongation	ASTM D 638	Min. 350%	≥ 500%
Thermal			
Elongation after heat aging (150°C x 168h)	ASTM D 638	Min. 300%	Pass
Tensile Strength after heat aging (150°C x 168h)	ASTM D 638	Min. 8.0 MPa	Pass
Low temperature flexibility (-55°C x 1h)	ASTM D 2671	No cracking	Pass
Corrosion (150°C x 16h)	ASTM D 2671	No Corrosion	Pass
Electrical			
Dielectric strength	IEC 243	Min. 15.0 kV/mm	≥ 20 kV/mm
Volume resistivity	ASTM D 876	Min. 10 ¹³ Ωxcm	2x10 ¹⁴ Ωxcm
Voltage constant	IEC 250	Max. 5.0	3 to 4
Chemical			
Water absorption	ASTM D 570	Max. 0.15%	≤ 0.06%