

Elastomer Heat-Shrink Tubing

FITCOTUBE® FT-R25

Fuel-resistant elastomer shrink tube with excellent protection and abrasion properties. Used for reliable insulation, as well as for mechanical and electrical protection of cables, especially in the areas of aircraft construction, military and marine.

Operating temperature: - 75°C to + 150°C
Shrinking temperature: + 170°C
Shrink ratio: 2:1
Standard color: Black (other colors on request)



Description	Inner diameter (mm)		Wall thickness (mm)
	As supplied (min.)	After shrinking (max.)	After shrinking (nom.)
FT-R25-320	3,20	1,60	0,60 – 0,90
FT-R25-480	4,80	2,40	0,65 – 1,05
FT-R25-640	6,40	3,20	0,70 – 1,10
FT-R25-950	9,50	4,75	0,80 – 1,20
FT-R25-1270	12,7	6,40	0,90 – 1,50
FT-R25-1900	19,00	9,50	1,10 – 1,80
FT-R25-2540	25,40	12,70	1,35 – 2,25
FT-R25-3800	38,00	19,00	1,90 – 2,90
FT-R25-5100	51,00	25,40	2,30 – 3,30
FT-R25-7600	76,00	38,00	2,60 – 3,80
FT-R25-10200	102,00	51,00	2,90 – 4,30

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.

Note: Sizes FT-R25-320 & FT-R25-480 are not requested by SAE-AS23053/16.

Elastomer Heat-Shrink Tubing

FITCOTUBE® FT-R25

Attributes	Testing	Requirements	Value
Mechanical			
Longitudinal change	SAE-AS23053	± 10%	Pass
Tensile strength	SAE-AS23053	Min. 11,7 MPa	≥ 17 MPa
Ultimate elongation	SAE-AS23053	Min. 250%	≥ 400%
Thermal			
Heat shock (200°C x 4h)	SAE-AS23053	No crack, flowing or dripping	Pass
Elongation after long-term aging (150°C x 168h)	SAE-AS23053	Min. 200%	≥ 300%
Tensile strength after long-term aging (150°C x 168h)	SAE-AS23053	Min. 10,4 MPa	≥ 12 MPa
Low temperature flexibility (-75°C x 4h)	IEC 60684-3-271	No cracking	-75°C x 4h
Copper corrosion	SAE-AS23053	No corrosion	Pass
Electrical			
Volume resistivity	SAE-AS23053	Min. 10 ⁹ Ωxcm	≥ 10 ¹¹ Ωxcm
Dielectric strength	SAE-AS23053	Min. 11,9 kV/mm	≥ 18 kV/mm
Chemical			
Flammability	ASTM D 2671	Procedure B	Pass
Water absorption	ASTM D 570	Max. 2,0%	≤ 1,4%
Fluid resistance (24°C x 24h)	SAE-AS23053 with Diesel fuel	Min. 10,4 MPa (Tensile strength)	≥ 13 MPa
Fluid resistance (24°C x 24h)	SAE-AS23053 with Diesel fuel	Min. 200% (Elongation)	≥ 330%
Fluid resistance (23°C x 24h)	SAE-AS23053 with Diesel fuel	Min. 7,9 kV/mm (Dielectric strength)	≥ 9,5 kV/mm
Fungus resistance	SAE-AS23053	ASTM G 21	Pass
Ozone resistance	NF F 00-608	No cracking or sweating	Pass