PTFE-Heat-Shrink Tubing

FITCOTUBE® TF/TFR

Heat-shrink PTFE tubing with extreme chemical and thermal stability. Electrical insulation of components, wires and harnesses in high temperature environments.

Operating temperature: -200°C to +260°C

Shrink temperature: +330°C

Shrink ratio: 2:1, 4:1

Standard color: Clear

Description	Inner diameter (mm)		Wall thickness (mm)
Shrink ratio 2 : 1	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
TF-AWG 30	0.86	0.38	0.23
TF-AWG 28	0.97	0.46	0.23
TF-AWG 26	1.17	0.56	0.23
TF-AWG 24	1.27	0.64	0.25
TF-AWG 22	1.40	0.80	0.25
TF-AWG 20	1.52	0.97	0.31
TF-AWG 18	1.93	1.17	0.31
TF-AWG 16	2.35	1.45	0.31
TF-AWG 14	3.05	1.82	0.31
TF-AWG 12	3.81	2.26	0.31
TF-AWG 10	4.85	2.80	0.31
TF-AWG 8	6.10	3.55	0.38
TF-AWG 6	7.67	4.40	0.38
TF-AWG 3	9.90	6.12	0.38
TF-AWG 2	10.90	6.90	0.38
TF-AWG 0	11.95	8.56	0.38
Shrink ratio 4 : 1			
TFR 5/64	1.98	0.64	0.23
TFR 1/8	3.18	0.94	0.25
TFR 3/16	4.75	1.27	0.31
TFR 1/4	6.35	1.60	0.31
TFR 3/8	9.52	2.44	0.31
TFR 7/16	11.13	2.85	0.31
TFR 1/2	12.70	3.66	0.38
TFR 5/8	15.88	4.52	0.38
TFR 3/4	19.05	5.70	0.38
TFR 7/8	22.23	6.20	0.38
TFR 1	25.40	7.06	0.38
TFR 1 1/4	31.75	8.82	0.38
TFR 1 1/2	38.10	10.20	0.38

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Attributes	Testing	Value
Mechanical		
Tensile strength	ISO 527	≥29 N/mm²
Ultimate elongation	ISO 527	≥200%
Longitudinal change	-	±10%
Density	ISO 1183	2.14 – 2.19 g/cm³
Shore D	ISO 868	55 - 72
Thermal		
Melting point	ISO 12086	327°C
Fire behavior	UL94	V-0
Electrical		
Dielectric strength	IEC 60243-2	>40kV/mm
Volume resistance	IEC 60093	$>10^{16}\,\Omega$
Dielectric constant (100Hz)	IEC 60250	<2.1
Dielectric loss factor (100Hz)	-	$0.5 – 0.7 \times 10^{-4}$

Packaging: On spools on request. Cut lengths on request.

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