PTFE-Heat-Shrink Tubing

FITCOTUBE® TF/TFR

High-temperature, chemically resistant heat-shrink tubing made of PTFE. Electrical insulation of components at very high ambient temperatures and protection of wires and cables against aggressive chemical substances. Available in both thick-walled and thin-walled versions and made from raw-material tested in accordance with ASTM D 4895 (F201, F205, F208).

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

Shrink temperature: +330°C

Shrink ratio: 2:1, 4:1

Standard color: Clear

RoHS

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 4	9.40	5.45	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

FITCO® = trademark of GREMCO
All of the above information is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. GREMCO make no warranties as to the accuracy or completeness of the information and disclaims any liability regarding its use. GREMCO 's only obligations are those in the Standard Terms and Conditions of Sale for this product, and in no case will GREMCO be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use or misuse of the product.

PTFE-Heat-Shrink Tubing

FITCOTUBE® TF/TFR

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.

FITCO® = trademark of GREMCO
All of the above information is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. GREMCO make no warranties as to the accuracy or completeness of the information and disclaims any liability regarding its use. GREMCO 's only obligations are those in the Standard Terms and Conditions of Sale for this product, and in no case will GREMCO be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use or misuse of the product.