

Features/Applications

GREMTUBE® GHW-FR and GHWA-FR are flame retardant, heavy wall, irradiated polyolefin heat shrink tubing (GHW-FR), with adhesive (GHWA-FR).

GREMTUBE® GHW-FR and GHWA-FR offers good electrical insulation properties, high resistance to impact, abrasion and UV radiation. 3:1 shrink ratio allows it to fit over irregular shapes and large connectors.

GREMTUBE® GHW-FR and GHWA-FR are suitable for a variety of medium voltage (up to 36kV) electrical equipment and cable connections in wet environments such as marine vessels, off-shore oil platforms, shipyard and harbor applications.

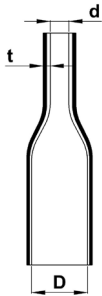
Various

Standard colour: Black.

Specifications

UV resistant.

Dimensions



Reference <i>GREMTUBE® GHW-FR / GHWA-FR</i>	As supplied (mm)		After recovery (mm)		Standard Length (m)
	Inside Diameter Min. (D)	Inside Diameter Max. (d)	Inside Diameter Max. (d)	Total Wall Thickness Nom. (t)	
009,0	9,0	3,0	3,0	2,60	1,2
012,0	12,0	4,0	4,0	2,80	1,2
016,0	16,0	5,0	5,0	3,00	1,2
019,0	19,0	6,0	6,0	3,00	1,2
022,0	22,0	6,0	6,0	3,25	1,2
025,0	25,0	8,0	8,0	3,25	1,2
028,0	28,0	6,0	6,0	3,25	1,2
033,0	33,0	8,0	8,0	3,25	1,2
035,0	35,0	12,0	12,0	3,95	1,2
040,0	40,0	12,0	12,0	3,95	1,2
045,0	45,0	13,0	13,0	3,95	1,2
055,0	55,0	16,0	16,0	4,05	1,2
065,0	65,0	19,0	19,0	4,05	1,2
075,0	75,0	22,0	22,0	4,05	1,2
085,0	85,0	25,0	25,0	4,05	1,2
095,0	95,0	25,0	25,0	4,05	1,2
105,0	105,0	30,0	30,0	4,05	1,2
115,0	115,0	34,0	34,0	4,05	1,2
130,0	130,0	36,0	36,0	4,05	1,2
140,0	140,0	42,0	42,0	4,05	1,2
160,0	160,0	50,0	50,0	4,05	1,2
175,0	175,0	58,0	58,0	4,05	1,2
200,0	200,0	65,0	65,0	4,05	1,2
235,0	235,0	65,0	65,0	4,50	1,2
265,0	265,0	75,0	75,0	4,50	1,2
300,0	300,0	85,0	85,0	4,50	1,2
350,0	350,0	100,0	100,0	4,50	1,2

• Cut pieces available on request

Property

Property	Values	Test Methods
Physical Working temperature	-55°C to +105°C	-
Longitudinal change	-10% to 0%	-
Tensile strength	≥ 10,4 MPa	ASTM D 2671
Elongation at break	Unaged ≥ 350%	
Tensile strength	≥ 10,4 MPa	ASTM D 2671
Elongation at break	Aged (168h @ 150°C) ≥ 300%	
Heat shock	4h @ 200°C	ASTM D 2671
Low temperature flexibility	4h @ -40°C	ASTM D 2671
Electrical Dielectric strength	≥ 15 kV/mm	ASTM D 2671
Volume resistivity	≥ 10 ¹⁴ Ω.cm	ASTM D 2671
Adhesive Peel strength to steel	80 N/25 mm	ASTM D 2671
Peel strength to XLPE	110 N/25 mm	ASTM D 2671

Recommended storage conditions: Keep in cool, dry, ventilated storage (maximum temperature of 35°C) and in closed containers.



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Whilst every attempt is made to provide data that is as accurate as possible the values provided should be treated as a guide only. It remains the responsibility of the user to test the product and determine suitability. GREMTEK shall not be held responsible for any loss or defect resulting from incorrect, improper or inappropriate use of this product.