



Features/Applications

GREMTUBE® GMW-FR and GMWA-FR are medium wall, flame retardant, irradiated polyolefin heat shrink tubing (GMW-FR), with adhesive (GMWA-FR).

GREMTUBE® GMW-FR and GMWA-FR offers good electrical insulation properties, high resistance to impact, abrasion and it's UV resistant. 3:1 shrink ratio allows it to fit over irregular shapes and large connectors.

GREMTUBE® GMW-FR and GMWA-FR are suitable for a variety of low voltage (up to 15kV) 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® GMW-FR / GMWA-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)	
008,0	8,0	2,0	2,00	1,2	
009,0	9,0	3,0	2,00	1,2	
012,0	12,0	4,0	2,00	1,2	
016,0	16,0	5,0	2,20	1,2	
019,0	19,0	6,0	2,50	1,2	
022,0	22,0	6,0	2,50	1,2	
025,0	25,0	8,0	2,50	1,2	
028,0	28,0	6,0	2,50	1,2	
033,0	33,0	8,0	2,50	1,2	
035,0	35,0	12,0	2,50	1,2	
040,0	40,0	12,0	2,50	1,2	
045,0	45,0	13,0	2,50	1,2	
055,0	55,0	16,0	2,70	1,2	
065,0	65,0	19,0	2,80	1,2	
075,0	75,0	22,0	3,00	1,2	
085,0	85,0	25,0	3,00	1,2	
095,0	95,0	25,0	3,00	1,2	
115,0	115,0	34,0	3,00	1,2	
130,0	130,0	36,0	3,00	1,2	
140,0	140,0	42,0	3,00	1,2	
160,0	160,0	50,0	3,00	1,2	
175,0	175,0	58,0	3,00	1,2	
200,0	200,0	65,0	3,00	1,2	
230,0	230,0	75,0	3,00	1,2	
260,0	260,0	85,0	3,00	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	Unaged	≥ 10,4 MPa
Elongation at break		≥ 350%
Tensile strength	Aged (168h @ 158°C)	≥ 10,4 MPa
Elongation at break		≥ 300%
Heat shock	4h @ 250°C	No crack
Low temperature flexibility	4h @ -40°C	No crack
Flammability (Outer jacket)	VW-1	UL 224
Flammability, Smoke & Toxicity	R24	EN 45545-2
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.

