



Features/Applications

GREMTUBE® GBBM-FR is a medium wall, flame retardant, irradiated Polyolefin heat shrink tubing. GREMTUBE® GBBM-FR offers high resistance to tracking and arcing (up to 24kV). GREMTUBE® GBBM-FR enhances the insulation performances of bus bars in switchgears and substations when flame retardant properties are required.

Various

Standard colour: Red.



Dimensions

Reference <i>GREMTUBE® GBBM-FR</i>	As supplied (mm) Inside Diameter Min. (D)	After recovery (mm) Inside Diameter Max. (d)	Wall Thickness Nom. (t)	Standard Length (m)
025,0	25,0	10,0	2,50	25
030,0	30,0	12,0	2,65	20 or 25
040,0	40,0	16,0	2,65	20 or 25
050,0	50,0	20,0	2,65	20 or 25
065,0	65,0	25,0	2,85	20 or 25
075,0	75,0	30,0	2,85	20 or 25
085,0	85,0	35,0	2,85	20 or 25
100,0	100,0	40,0	2,85	20 or 25
120,0	120,0	50,0	2,85	20 or 25
150,0	150,0	60,0	2,90	20 or 25
175,0	175,0	75,0	2,90	20 or 25

● Cut pieces available on request

Product selection chart

Bus bar size (mm)	One bus bar layer	Two bus bar layers
20 x 3 / 25 x 3	25/10	30/12
30 x 3 / 30 x 4	30/12	40/16
30 x 10 / 40 x 4	40/16	50/20
40 x 10 / 50 x 5 / 50 x 6	50/20	65/25 (75/30)
50 x 8 / 50 x 10 / 60 x 6 / 60 x 8	65/25 (75/30)	75/30 (85/35)
60 x 10 / 80 x 6 / 80 x 8 / 80 x 10	75/30 (85/35)	100/40 (120/50)
100 x 8 / 100 x 10 / 100 x 12	100/40 (120/50)	120/50
100 x 15 / 120 x 10 / 120 x 12 / 120 x 15	120/50	150/60
150 x 12 / 150 x 15	150/60	175/75



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Property		Values	Test Methods
Physical	Working temperature	-40°C to +105°C	-
	Tensile strength	≥ 11 MPa	ASTM D 2671
	Elongation at break	≥ 400%	
	Tensile strength	≥ 10 MPa	ASTM D 2671
	Elongation at break	≥ 300%	
	Heat shock	4h @ 200°C	ASTM D 2671
	Low temperature flexibility	4h @ -40°C	ASTM D 2671
	Thermal endurance	105°C	IEC 216
Electrical	Flammability	OI ≥ 27	ASTM D 2863
	Dielectric strength (in insulation oil)	≥ 16 kV/mm	ASTM D 2671
	Volume resistivity	≥ 10 ¹² Ω.cm	ASTM D 2671
Chemical	Copper corrosion	168h @ 158°C	IEC 60684-3
	Colour fastness to light	Exposed vs unexposed	IEC 60684-3

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

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.

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