



Features/Applications

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

Various

Standard colour: Red.

Dimensions



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

• 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

Property		Values	Test Methods	
Physical	Working temperature	-40°C to +105°C	-	
	Tensile strength	Unaged	≥ 14 MPa	
	Elongation at break		≥ 500%	
	Tensile strength	Aged (168h @ 136°C)	≥ 12 MPa	
	Elongation at break		≥ 400%	
	Heat shock	4h @ 200°C	No crack	ASTM D 2671
	Low temperature flexibility	4h @ -40°C	No crack	ASTM D 2671
Thermal endurance		105°C	IEC 216	
Electrical	Dielectric strength (in insulation oil)	≥ 16 kV/mm	ASTM D 2671	
	Volume resistivity	≥ 10 ¹² Ω.cm	ASTM D 2671	
	Tracking and erosion resistance	1h @ 2,5 or 2,75 kV	No tracking	ASTM D 2303
Chemical	Copper corrosion	168h @ 158°C	No corrosion	IEC 60684-3
	Colour fastness to light	Exposed vs unexposed	Colour does not change	IEC 60684-3

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.