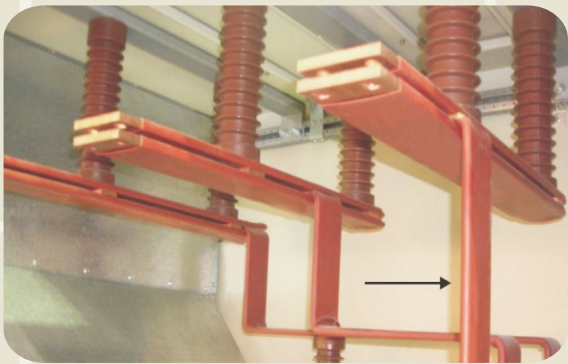
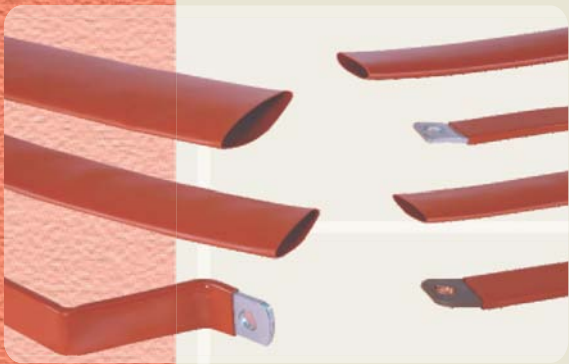


BUSTUBETM

HEAT SHRINK BUS BAR TUBE



Bustube (GMB and GHB) are red coloured medium wall and heavy wall unlined Heat Shrink Bus bar tubes, designed to insulate busbar systems upto 36 KV and to protect against accidental flashover. The tubes are manufactured from high quality non tracking crosslinked polyolefin material. Meets ANSI C37.20.2 standards for MV switchgear application up to 36 KV.

- Reduces Busbar clearance.
- High dielectric strength.
- Halogen free, flame retardant.

Selection Chart (Medium Wall)				
Code	D min. (mm)	d max. (mm)	T±10% (mm)	Spool length (mtr)
GMB 16/6	16	6	2.0	30
GMB 25/8	25	8	2.5	30
GMB 30/12	30	12	2.5	30
GMB 40/16	40	16	2.5	30
GMB 50/20	50	20	2.5	30
GMB 65/25	65	25	2.7	30
GMB 75/28	75	28	3.0	15
GMB 100/38	100	38	3.0	15
GMB 120/45	120	45	3.0	12
GMB 150/60	150	60	3.0	1.5
GMB 180/70	180	70	3.0	1.5
GMB 205/85	205	85	3.0	1.5

Selection Chart (Heavy Wall)				
Code	D min. (mm)	d max. (mm)	T±10% (mm)	Spool length (mtr)
GHB 25/8	25	8	3.7	20
GHB 30/12	30	12	4.0	20
GHB 40/16	40	16	4.0	20
GHB 50/20	50	20	4.0	20
GHB 75/28	75	28	4.0	15
GHB 100/38	100	38	4.2	15
GHB 120/45	120	45	4.2	12
GHB 150/60	150	60	4.5	1.5
GHB 180/70	180	70	4.5	1.5

Technical Specification		
PROPERTIES	VALUE	STANDARD
Physical		
Tensile Strength	10 N/mm ² (Mpa) (min.)	ASTM D638
Ultimate Elongation	300 % (min)	ASTM D638
Longitudinal Change	-10% (max.)	ASTM D2671
Hardness	45 ±10 Shore D	ASTM D2240
Water absorption	0.5 % (max.)	ASTM D570
Thermal		
Accelerated ageing	(120°C for 500 hrs)	ASTM D2671
Tensile Strength	8 N/mm ² (Mpa) (min.)	ASTM D638
Ultimate Elongation	250 % (min.)	ASTM D638
Low Temperature Flexibility (-40°C for 4 hrs.)	No Cracking	ASTM D2671
Heat Shock (250°C for 30 min.)	No cracking or flowing	ESI 09-11
Shrink Temperature	125°C	IEC 216
Continuous Temperature Limit	-40 to +105°C	IEC 216
Electrical		
Dielectric Strength	22 KV/mm.(min)	ASTM D149
Volume Resistivity	1 x 10 ¹⁴ Ohm.cm (min)	ASTM D257
Dielectric constant	5 (max.)	ASTM D150
Resistant to track & erosion	No Tracking, erosion or flame failure upto 3.25 KV for 20 min.	ASTM D2303

Clearances With Insulation					
Voltage	Medium Wall Tube (GMB)		Heavy Wall Tube (GHB)		UN-INSULATED BUS BARS
	Ph. To Ph.	Ph. To gr.	Ph. To Ph.	Ph. To gr.	
12 KV	65	75	35	45	120
17.5KV	85	105	55	65	160
24 KV	115	150	70	100	220
36 KV	200	285	140	190	320



Technical Qualification Report : QR 1016