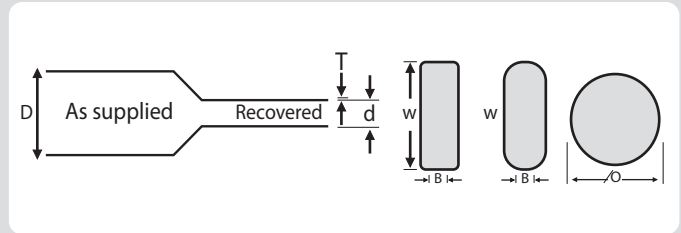


## BUSBAR SYSTEMS INSULATE TUBE

Bus Tube is heat shrinkable tube designed to insulate busbar systems up to 36KV & to protect against accidental flash-over. The tubes are manufactured from high quality non tracking cross-linked polyolefin material. Meets ANSI C37.20.2 standards for MV switchgear application up to 36 KV.



### FEATURES & BENEFITS

- Reduce Busbar clearance
- Prevent Busbar from chemical corrosion effected by strong acid, alkali, salt etc.
- High dielectric strength
- Solve the problem of insulation among Busbar in Bus Duct
- Highly Flexible for use on straight or angled bars without creasing

VOLTGE	MEDIUM WALL TUBE (GMB)		HEAVY WALL TUBE GHB		UN-Insulated Bus bars
	Ph a Ph	Ph a Gr	Ph a Ph	Ph a Gr	
12KV	65	75	35	45	120
17.5 KV	85	105	55	65	160
24 KV	115	150	70	100	220
36 KV	200	285	140	190	320

PROPERTIES	VALUE	STANDAR
<b>PHYSICAL</b>		
Tensile strength	9 N/mm <sup>2</sup> (Mpa) (min.)	ASTM D 638
Ultimate elongation	300 % (min)	ASTM D 638
Density	1.20 ± 0.2 gm/cm <sup>3</sup>	ASTM D 792
Hardness	45±10 orilla D	ASTM D 2240
Water absorption	0.5 %	ASTM D 570
<b>THERMAL</b>		
Accelerated ageing	(150 °C for 1200 hrs)	IEC 60684-2
Tensile strength	7.7 N/mm <sup>2</sup> (Mpa) (min.)	ASTM D 638
Ultimate elongation	300 % (min)	ASTM D 638
Low temperature flexibility (-40°C for 4 Hrs.)	No cracking	ASTM D 2671
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 +100 °C	IEC 216
<b>ELECTRICAL</b>		
Dielectric strength	22 KV/mm. (min)	ASTM D 149
Volume resistivity	1x 0 <sup>13</sup> Ohm. cm	ASTM D 257
Dielectric constant	5 (max)	ASTM D150

# SELECTION CHART

## MEDIUM WALL TUBE [UPTO 24 KV]

CODE	D	d	T(± 10 %)	Reel length	Rectangular Bars (W+B)		Round Bar Ø	
	mm (min)	mm (max)	(mm)	(mts)	(min)	(max)	(min)	(max)
GMB 16/6	16	6	2.0	25	12	18	6.5	12
GMB 25/8	25	8	2.5	25	16	30	9	20
GMB 30/12	30	12	2.5	25	22	38	13.5	25
GMB 40/16	40	16	2.5	25	29	50	18	32
GMB 50/20	50	20	2.5	25	36	63	22	40
GMB 65/25	65	25	2.7	25	46	82	28	52
GMB 75/28	75	28	3.0	25	55	94	33	60
GMB 85/32	85	32	3.0	25	58	107	37	68
GMB 100/38	100	38	3.0	25	70	126	44	80
GMB 120/45	120	45	3.0	15	90	150	55	96
GMB 150/60	150	60	3.0	15	110	200	70	127
GMB 180/70	180	70	3.0	15	125	226	80	144
GMB 205/85	205	85	3.0	15	200	257	127	164
GMB 250/120	250	120	3.0	15	220	314	140	200

## HEAVY WALL TUBE [UPTO 36KV]

CODE	D	d	T(± 10 %)	Reel length	Rectangular Bars (W+B)		Round Bar Ø	
	mm (min)	mm (max)	(mm)	(mts)	(min)	(max)	(min)	(max)
GHB 25/8	25	8	3.7	25	17	28	11	20
GHB 30/12	30	12	4.0	25	21	33	15	25
GHB 40/16	40	16	4.0	25	28	45	15	32
GHB 50/20	50	20	4.0	25	34	54	24	40
GHB 65/25	65	25	4.0	25	41	62	27	43
GHB 75/28	75	28	4.0	20	47	69	28	47
GHB 85/32	85	32	4.0	20	58	100	37	68
GHB 100/38	100	38	4.2	20	69	102	44	72
GHB 120/45	120	45	4.2	15	83	125	50	85
GHB 150/60	150	60	4.5	15	102	168	65	105
GHB 180/70	180	72	4.5	15	133	196	85	125
GHB 205/85	205	85	4.5	15	200	250	127	164
GHB 250/120	250	120	4.5	15	220	314	140	200