



Bus Tube is heat shrinkable tube designed to insulate busbar systems up to 66KV & 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 switchgear application up to 66 KV.

FEATURES & BENEFITS

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

Technical Specification

PROPERTIES	VALUE	STANDARD
Physical		
Tensile Strength	12 N/mm ² (Mpa) (min.)	ASTM D638
Ultimate Elongation	300 % (min)	ASTM D638
Density	1.20 ± 0.2 gm/cm ³	ASTM D792
Hardness	45 ±10 Shore D	ASTM D2240
Water absorption	0.5 % (max.)	ASTM D570
Thermal		
Accelerated ageing	(120°C for 500 hrs)	ASTM D2671
a. Tensile Strength	10 N/mm ² (Mpa) (min.)	ASTM D638
b. 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 up to 3.25 KV for 20 min.	ASTM D2303

Extra Heavy Wall Tube [Upto 66KV]

Gala Size	D mm (min.)	d mm (max.)	T (±10%) mm	Length mm
GEHB 50/25	50	25	6.2	1500
GEHB 75/38	75	38	6.2	1500
GEHB 100/50	100	50	6.2	1500
GEHB 120/60	120	60	6.2	1500
GEHB 140/70	140	70	6.2	1500



D,d : Internal Diameter; T : Thickness

Clearances With Insulation

Voltage	Phase to Phase (mm)	Phase to Ground (mm)	UN-INSULATED BUS BARS
66 KV	390	520	630



AN ISO 9001, ISO 14001 & OHSAS 18001 CERTIFIED COMPANY

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