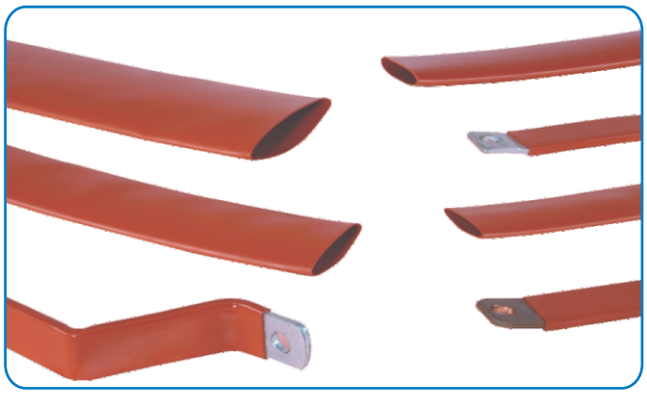
BUSTUBE™
Insulation Sleeve for 66 kV

GALA®
Innovative Insulating Solutions



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.

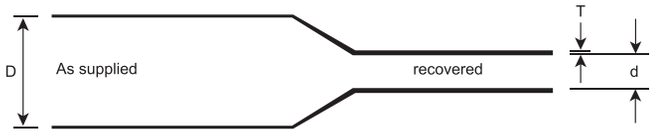
Technical Specification

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^{0}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^{0}C for 4 hrs.)	No Cracking	ASTM D2671
Heat Shock (250^{0}C for 30 min.)	No cracking or flowing	ESI 09-11
Shrink Temperature	125^{0}C	IEC 216
Continuous Temperature Limit	-40 to +105^{0}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	d mm	T (±10%)	Length
	(min.)	(max.)	mm	mm
GEHB 50/20	50	20	6.2	1500
GEHB 75/28	75	28	6.2	1500
GEHB 100/38	100	38	6.2	1500
GEHB 120/45	120	45	6.2	1500
GEHB 150/60	150	60	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 & ISO 45001:2018 Certified Company

GALA SHRINK FIT

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