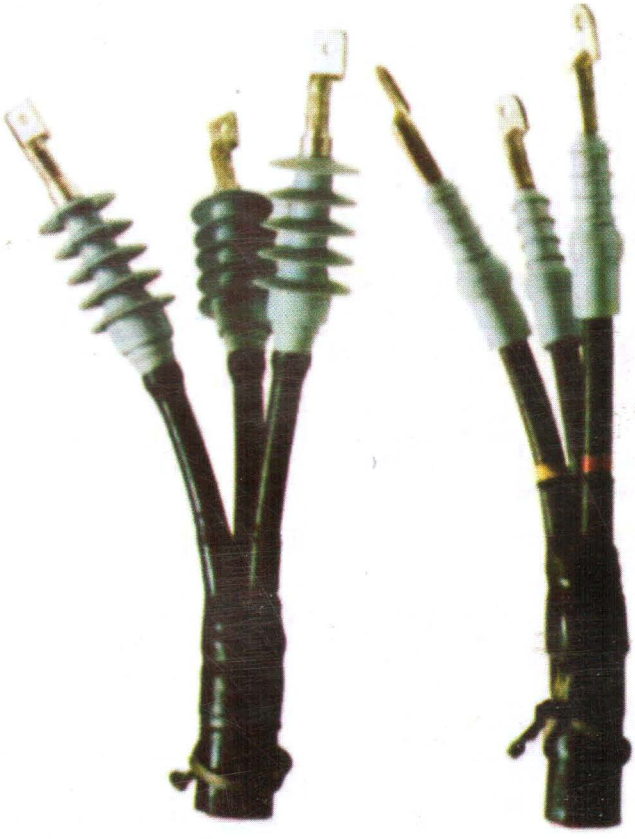
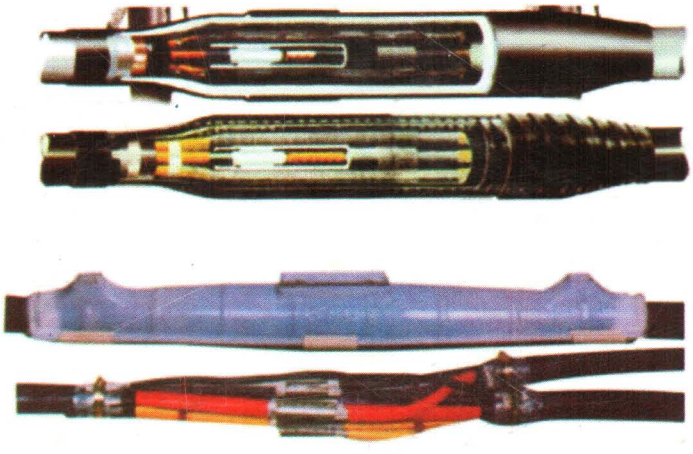
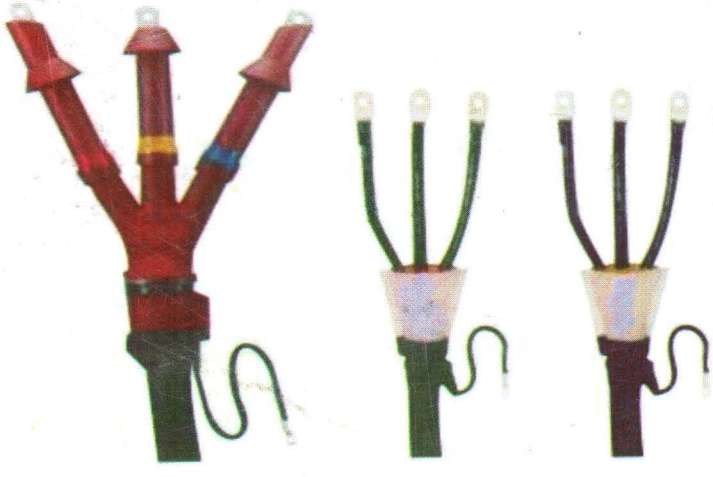
Heat Shrink Joints

Cold Shrink Joints

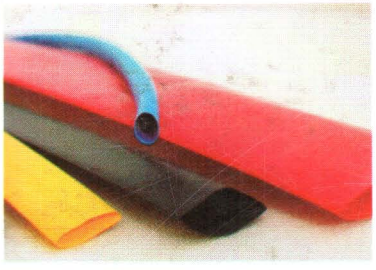


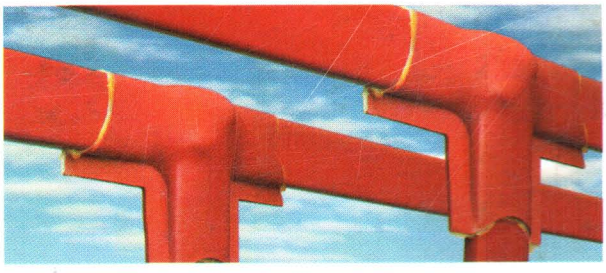
Push On Joints

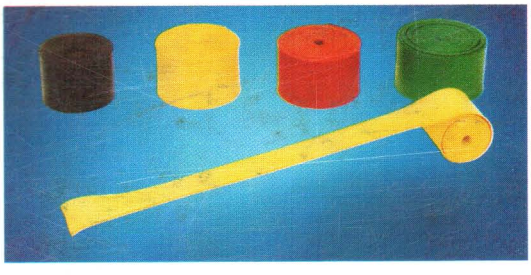




Cast Resin, Tapex Type Indoor / Outdoor Terminations and Straight Joints







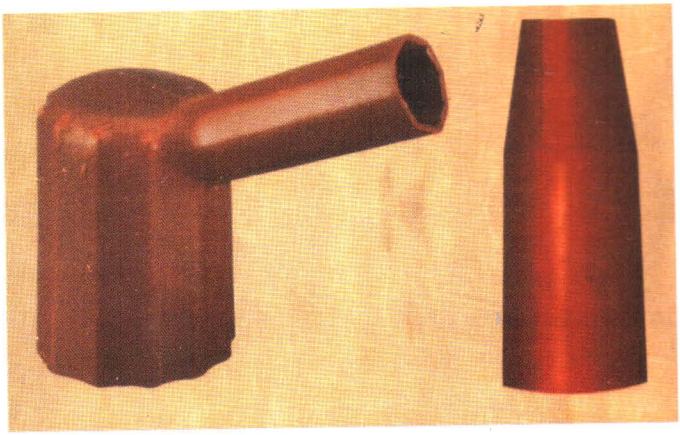
Bus-Bar HT and LT Insulations and High Voltage Insulations Tapes

www.jointmask.com

Heat Shrinkable Right Angle Boot / Weatherproof Plastic Compound

Heat Shrinkable Right Angle Boot

Heat Shrinkable Angle and Straight Boots are generally the integral part of termination assembly of Power Cable upto 36KV, which provides insulation to the bushings in the terminating box, where the clearance between phase to phase and phase to earth is less than the nominal air clearance. The insulated assembly by use of these boots provides protection against flashovers, short circuiting which may be due to highly humid conditions, rodent menace and surge impulse. These boots are produced from Cross Linked Polyolefin materials.



Features:

- Excellent non-tracking performance
- Easy installation and better sealing
- Excellent Corrosion resistance
- Very high Dielectric strength and resistant to Impulse voltage
- Good for -40^0 C to 130^0 C continuous temperature

Weatherproof Plastic Compound

Weatherproof plastic compound is a single compound is a single component, elastic non-corrosive sealing compound having high insulating properties. Its saves any sealed portion from moisture and corrosive environment.

The compound meets the following technical requirements :-

CHARACTERISTICS

General - Putty like soft mass Colour - Reddish Brown Penetration at ambient - 110-160 Dielectric Strength - 9KV/mm

Electrical Strength

(a) Normal at room temperature 30°C (b) After ageing at 90°C for 24 hours 25KV (c) After heating at 150°C for 10 minutes 25KV Softening point - 155°C (min) Water Absorption after 24hrs -0.2 (max)

Heat ageing at 110°C for 72hrs - The compound does not blister harden, cure or cause greening of copper surface.

It can be easily removed and reused. It has a min 5yrs shelf life in sealed containers.

It is intoxic, harmless and chemically inert. It is not sticky to handle.

Operating temperature - 20°C to + 80°C.

APPLICATIONS Some of the applications are mentioned below

ELECTRICAL INDUSTRY

(a) Corrosion inhibitor on bolted joints, terminations of dissimilar metallic conductor like copper to alumunium.
(b) Moisture proof coverings on busbars, switchgear entry and exit points to prevent corona discharges.
(c) Effective cover on low tension live metal parts.
(d) Sealing the connections between terminals for transformer bushing and jumper wires.
(e) Insulating high voltage motor terminals.
(f) Sealing cable entry portions of switchgears and motors to prevent entry of vermin rodents.

BUILDING CONSTRUCTION INDUSTRY
SHIP BUILDING INDUSTRY

(a) Water/Weatherproofing between glass plastic window panes.
(b) Sealing Switchboards entry points on switchboards and switchgears.

PACKING: 1 kg plastic containers

Heat Shrinkable Anti- Tracking High Voltage Bus Bar Tape upto 36KV

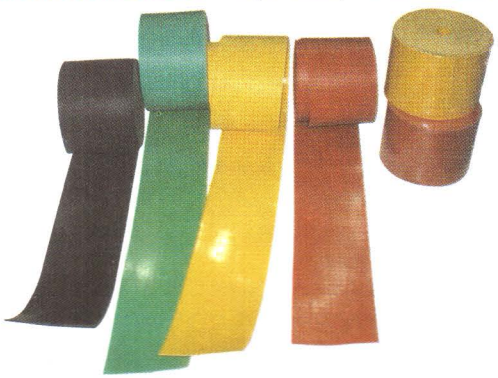
USAGE : Up to 36 kv. Overhead lines protection, Bus bar insulation, Substation insulation protection, Petroleum pipe ant corrosion.

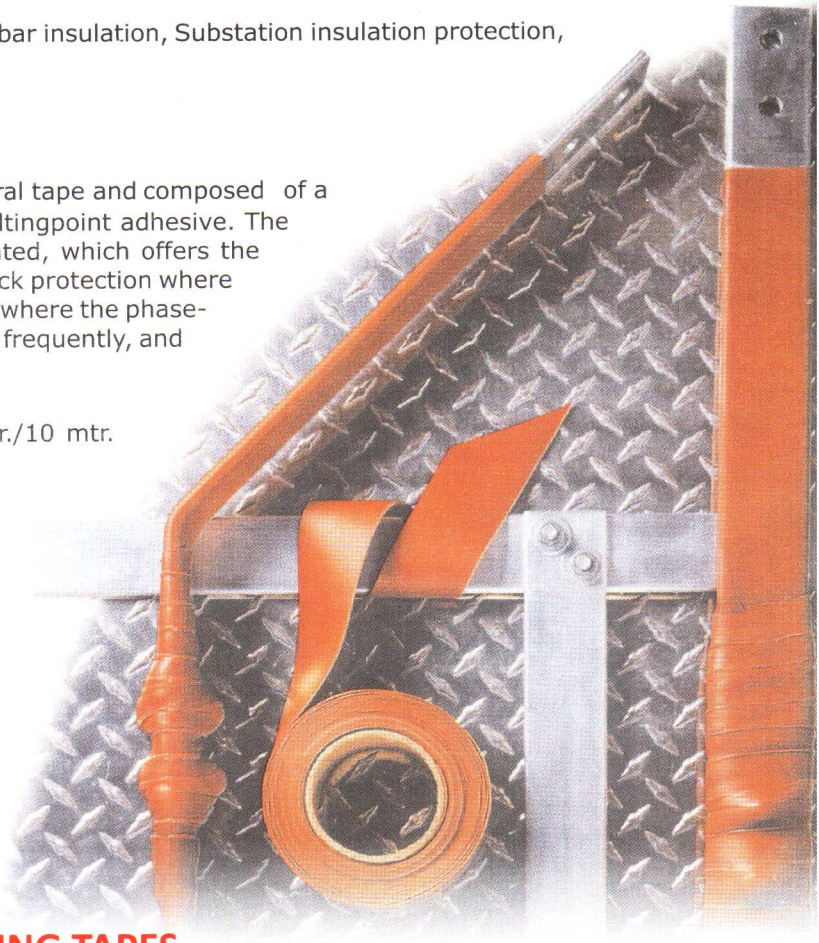
SORT : Non Flame retarded, Flame retarded.

DESIGN : The Product is a kind of composite Structural tape and composed of a heat-shrinkable layer and a bonding layer of low-meltingpoint adhesive. The inner layer melt while outer part shrinks during heated, which offers the complete encapsulation and insulation for electric shock protection where needed. The product is ideal for the old power system where the phase-width is insufficient, and the flashover accidents occur frequently, and where the insulation handlings not easily done.

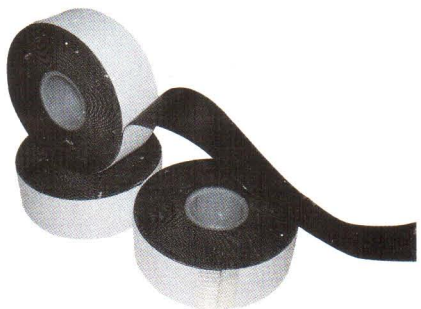
ORDERING INFORMATION : 1.5 mm thickness, 5 mtr./10 mtr. Length, 1" or 2" width.

COLOURS AVAILABLE : Red, Green, Yellow, Blue & Black.





EPR SELF AMALGAMATING INSULATING TAPES



Description - Conformable, self amalgamating tapes based on ethylene propylene rubber. Colour - Black. Uses - For jointing, splicing and repair a wide range of power and distribution cables and busbars upto 69 KV where overload temperatures of 130°C can be encountered. The tape can also be used for protection against corrosion and waterproofing eg. Metal pipe work. Features - These are highly resistant toprololonged immersion in water and have excellent resistance to ozone. These are compatible to most hot pouring compounds used in joint boxes. Pouring temperature of upto 160°C would affect the tapes. Precautions - The tapes should be avoided with the contact of petroleum type solvent which may cause softening of it. Applications - strip back the interleaving and stretch wrap the tape to reduce its width to one half and overlap layers by 50% until the desired insulation is achieved. Finish the wrapping by holding the tape under thumb and snap by stretch as described above will ensure rapid amalgamation.

AVERAGE PROPERTIES

Thickness	-	0.75mm/0.50mm	Water Absorption	-	0.05% (24hrs)
Tape Length	-	10yds.	Dielectric Strength	-	36KV/mm
Width	-	38mm/25mm	Power Factor	-	0.006(50Hz)
Tensile Strength	-	3.0mn/m^2	Volume Resistivity (20°C)	-	10^{13} omh-m
Elongation at Break	-	800%			

STORAGE

The tapes must be stored on their cut edges in the original packing and must be protected from dust, heat moisture, direct sunlight, corrosive and solvent fumes. Under these conditions in a temperate climate the self life of the tape is minimum 5yrs.
Users are recomended to test the tape in their particular application

Heat Shrinkable Anti- Tracking High Voltage Bus Bar Tubing upto 36KV

DURABLE

Heat Shrinkable Bus Bar tubing is made of specially formulated, cross-linked, flame retardant, track resistant polyolefin. This material has a high resistance to splitting, while providing the flexibility to conform to bends in certain applications. Superior split resistance can prevent insulation failure and resulting down times.

RELIABLE

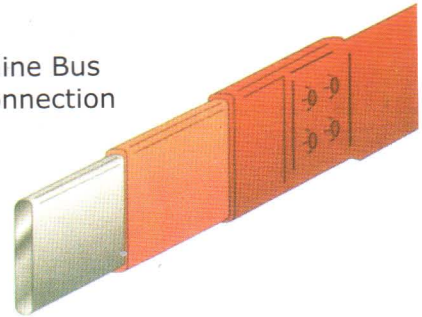
Heat Shrinkable Bus Bar tubing is unaffected by normal cleaning fluids and is resistant to physical damage. Good thermal endurance (upto 110^0 C / 230^0 F) contributes to longer life and more stable performance. Excellent dielectric strength allows the required space between bus bars and metal enclosures to be substantially reduced. Closer spacing reduces both the overall size of the assembly, and the overall cost.

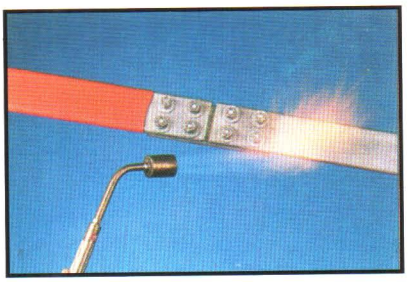
COST EFFECTIVE

In the past, it was expensive to replace otherwise good electrical equipment that had been damaged by fire or had failed due to insulation deterioration. Replacing burned insulation or retrofitting with flame-retardant. Heat Shrinkable Anti Tracking Bus Bar Tubing is an extremely cost-effective alternative to buying new bus gear. It will shrink to fit rectangular, square or round bus bars and will handle voltage ranges from 600 volts to 36 K.V. This reduces your inventory requirements, and saves you time and money.

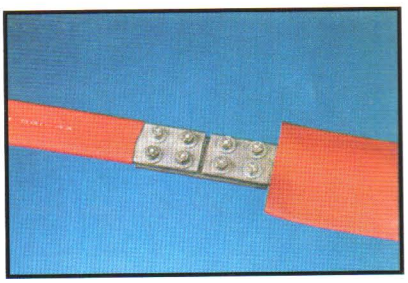
Straight Bus With Inline Connection

Inline Bus Connection



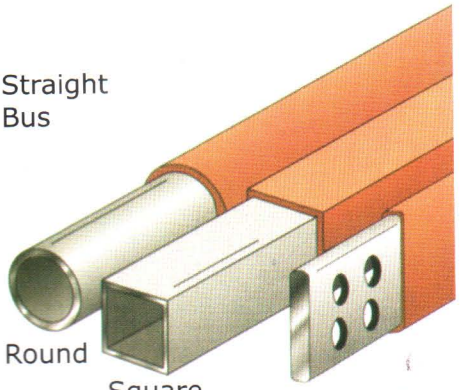


1 After connecting the bus burs. preheat the exposed bus bar prior to tubing installation.



2 Slide The Heat Shrinkable Anti Tracking High Voltage bus bar tubing into position on bus bar.

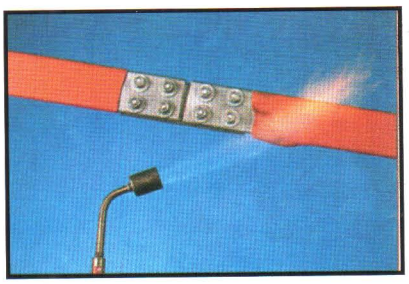
Straight Bus



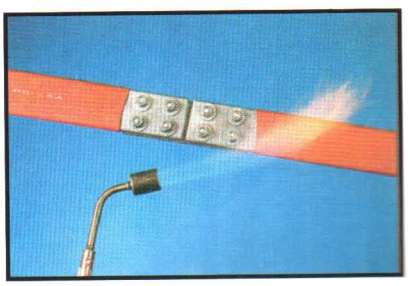
Round

Square

Rectangular

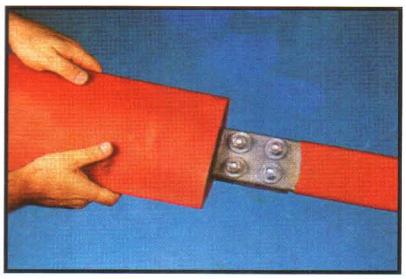


3 Shrink tubing onto bus bar using torch or other industry standard method.

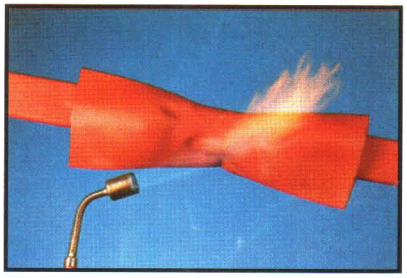


4 Continue moving the torch over the tubing until it has shrunk smoothly over the bus bar.

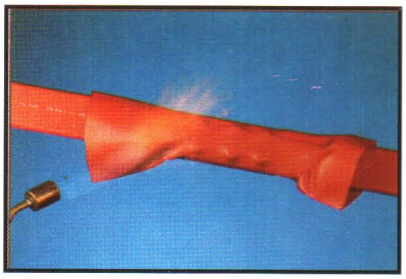
Heat Shrinkable Anti- Tracking High Voltage Bus Bar Tubing upto 36KV



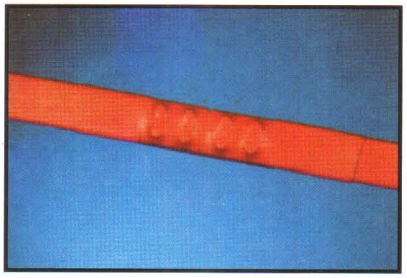
5 Slide pre-cut tubing over connection. Tubing should cover bolted connection and at least 6 inches of existing insulation.



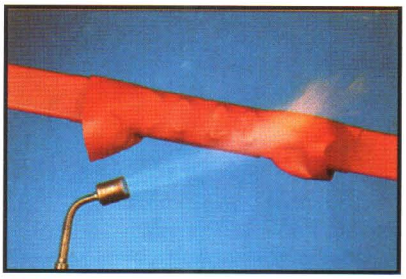
6 Shrink tubing onto connection.



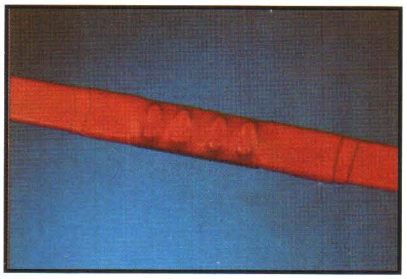
7 Keep torch flame moving to assure uniform shrink-fit.



8 The finished product is attractive, durable, reliable and long lasting.

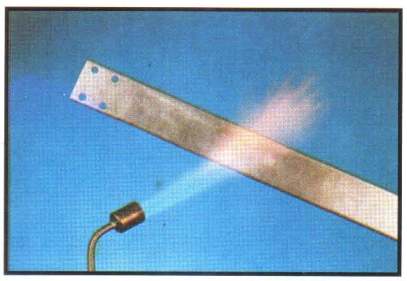


9 If a second layer is required, center it over the connection and shrink.

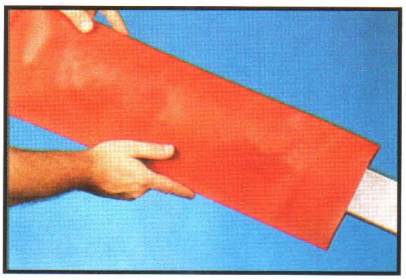


10 The second layer should be about one inch shorter at eachend.

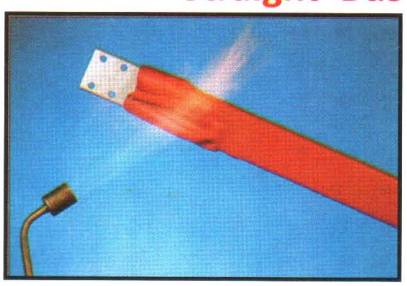
Straight Bus



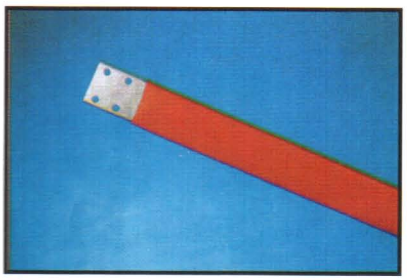
1 Preheating the bus bar is recommended, especially for larger sizes. It also significantly reduces shrink time.



2 Slide The Heat Shrinkable Anti Tracking High Voltage bus bar tubing into position on bus bar.



3 Shrink tubing onto bus bar using torch or other industry standard method.



4 After cooling the finish head product is ready for installation.

ORDERING INFORMATION FOR HEAT SHRINKABLE ANTI TRACKING HIGH VOLTAGE BUS BAR TUBING

Sl No.	Inner Dia of the Tube Before Shrinking (mm)	Inner Dia of the Tube can reach upto, After Shrining (mm)	Available Length Per Roll
1	10 mm	6 mm	50 Mtr.
2	18 mm	9 mm	25 Mtr.
3	30 mm	12 mm	20 Mtr.
4	40 mm	16 mm	20 Mtr.
5	50 mm	20 mm	20 Mtr.
6	65 mm	25 mm	20 Mtr.
7	75 mm	30 mm	20 Mtr.
8	100 mm	40 mm	20 Mtr.
9	120 mm	50 mm	20 Mtr.
10	150 mm	60 mm	20 Mtr.