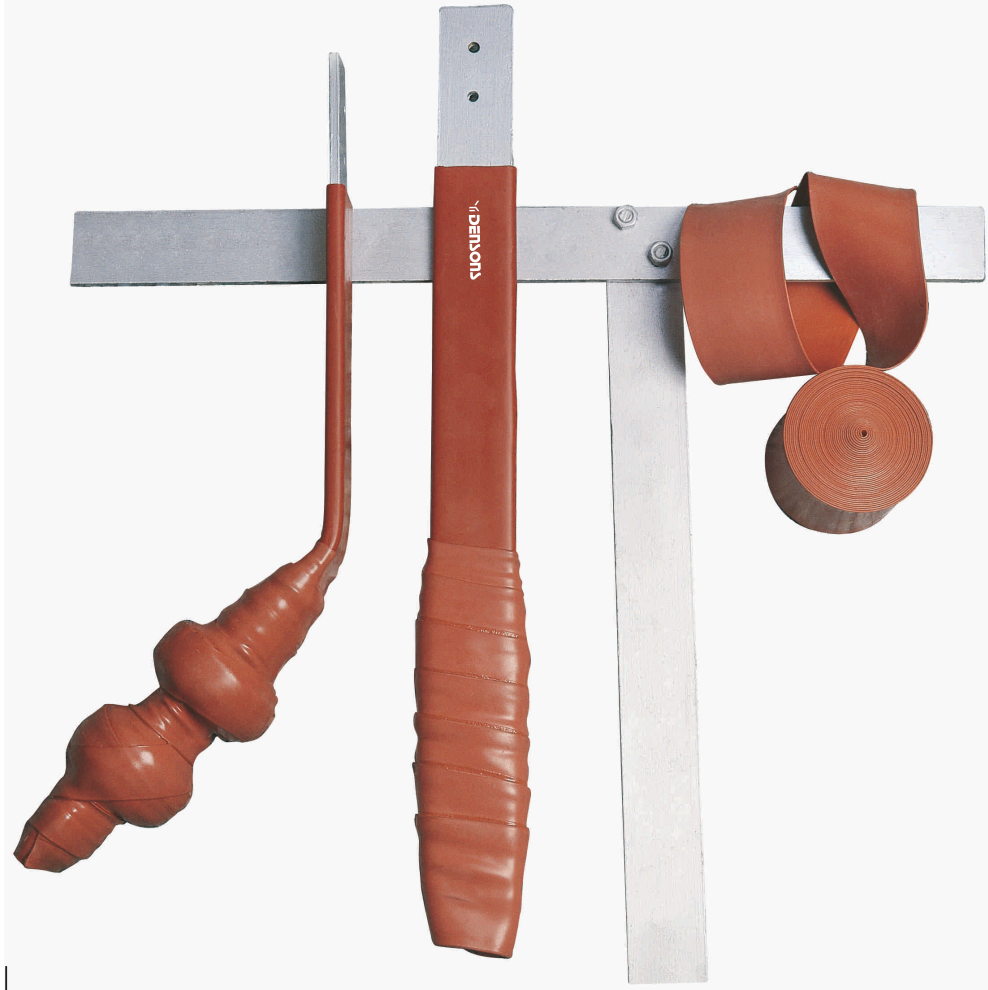


Anti-Track adhesive coated Heat Shrink Tape specially designed for insulation & protecting medium voltage bus bar upto 36 kV



## **DHSIT Heat Shrinkable Medium Voltage Insulation Tape**

- Suitable for medium voltage switchgear applications to 36 kV
- Reduces bus bar clearance requirements
- Protection against accidental flashover
- Anti-Track
- Halogen Free
- Continuous operation temperature: -25°C to 130°C
- Shrink temperature: 120°C

**40**  
Years of  
Experience

**35**  
Countries  
Global  
Presence

**200**  
Plus Skilled  
Manpower

**4**  
World Class  
Manufacturing  
Facilities

**50**  
Internationally  
Approved  
Products

**DENSONS** Heat Shrinkable Terminations and Straight Joints offer unsurpassed technical superiority. Using state-of-the-art manufacturing technology. Densons High Voltage products provide maximum protection against Tracking, Corona Discharge and Dielectric Stresses. Densons High Voltage Products are easily adaptable to cover a broad range of cable sizes, and conforming to various Internationally accepted standards such as **IS, VDE, IEC, IEEE**.

### Medium Voltage Bus Bar Tape

for Service upto 36 kV over bolted Bus Bar

Code	Roll Width (min.)	Backing Thickness Recovered (Nom)	Roll Length
<b>X</b>	<b>mm</b>	<b>mm</b>	<b>m</b>
DHSIT - 1	25.0	1.0	5
DHSIT - 2	50.0	1.0	5

### Installation Instruction

A 2/3 overlap is recommended  
One layer application required upto 17 kV  
Two layer application required upto 25 kV  
Three layer application required upto 36 kV

### Clearance with Insulation

for Service upto 36 kV over bolted Bus Bar

System Voltage	Bit kV	p to p mm	p to g mm
15 kV	95	64	74
17 kV	110	86	106
25 kV	125	114	152
36 kV	175	200	285

p to p

Phase to Phase orientation  
Spacing based on metal to metal

p to g

Phase to ground orientation  
Dimensions prior to insulation

Space based on insulation wall thickness per application range of above tables

**Dimensions- Available in width of 25 mm & 50 mm**

### Technical Data:

Property	Requirements	Test Method
<b>Physical</b>		
Tensile Strength	8 N/mm <sup>2</sup> (min.)	ASTM D412, ISO 37
Ultimate Elongation	200% (min.)	ASTM D412, ISO 37
Volume Resistivity	1 x 10 <sup>12</sup> ohms. cm. (min.)	ASTM D257
Low Temperature Flexibility (4 hrs at -20°C)	No cracking	ASTM D2671
Flammability	Self Extinguishing	ASTM D2671
<b>Heat Ageing (7 days at 175°C)</b>		
Tensile Strength	7 N/mm <sup>2</sup> (min.)	ASTM D2671
Elongation	200% (min.)	ASTM D2671
Heat Shock	No cracking or flowing	ASTM D2671
<b>Electrical</b>		
Dielectric Strength	10 kV/mm (min.)	ASTM D149
Dielectric Constant	3-5	ASTM D150
Tracking Resistance	Non-Tracking	ASTM D2303
Corrosion	No corrosion	ASTM D2671
Water Absorption	0.5% (max.)	ASTM D570
<b>Adhesive</b>		
Adhesive Softening Point	100°C	ASTM D28
Low Temperature Flexibility	-25°C	ESI0913
Tracking Resistance	Non-Tracking	ASTM D2303