

# Heat Shrinkable Busbar Insulation Tape

## ABIT



### Description

ABIT is manufactured from radiation cross-linked polyolefin and consists of a dual layer structure, insulation material and hot melt adhesive. This design enables the tape to provide effective electrical insulation and shock protection for busbars up to 36kV.

### Features

- Shrink Ratio 30%
- Operating temperature -55 to 105°C
- Colours - Red
- Minimum fully recovered shrink temperature, 100°C
- Very flexible for ease of installation
- Excellent tracking resistance & insulation properties.
- Superior resistance to UV and weathering

### Technical Data

Properties	Test Method	Typical Values
Tensile (MPa)	ASTM D 2671	≥ 11.8
Elongation (%)	ASTM D 2671	≥ 550
Heat Ageing: Tensile (MPa) : Elongation (%)	120°C, 168 hrs	> 10 > 450
Dielectric Strength (kV/mm)	IEC243	≥ 20
Water Absorption (%)	ISO 62 / 23°C, 14 days	< 0.5
Copper Corrosion	ASTM D 2671 (120°C, 168 hrs)	No corrosion
Flammability	ASTM D 2671	Self-extinguishing in 60 sec
Dielectric Constant	IEC 250	≤ 3.5
Volume Resistance (Ω.cm)	IEC 93	> 10 <sup>13</sup>

### Dimensions

Product	Width of Tape (mm)		Reel Length (m)
	Supplied	Recovered	
ABIT-1	25	1	10
ABIT-2	50	1	10
ABIT-4	100	1	10

### Applications

- Busbar insulation for LV of MV applications