

HEAT SHRINKABLE BUSBAR INSULATION TAPE

AIRSHRINK
— A NEW DIMENSION —

CiP
CABLE INSTALLATION PRODUCTS

ABIT



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

DIMENSIONS

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

KEY FEATURES

- **Shrink ratio 30%**
- **Operating temperature range -55°C to 105°C**
- **Minimum full-shrink temperature 100°C**
- **UV resistance**
- **Colours: Red**

APPLICATION

- Busbar insulation for LV and MV applications

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 60sec
Dielectric constant	IEC 250	≤ 3.5
Volume resistance (Ω/cm)	IEC 93	> 10 ¹³



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