

Heat Shrink Busbar Insulation Tubing

This heat shrink tubing is designed to insulate busbars, reducing electrical clearance and increasing insulation. It provides protection against tracking, corrosion, UV exposure, and weathering.



Overview

High-Performance Busbar Insulation

The MBT/MBTH heat-shrinkable busbar insulation tubing is engineered for medium voltage substations up to 36kV. This solution effectively reduces electric clearance and enhances insulation between busbars, significantly improving safety and equipment reliability. Designed for durability, the tubing offers excellent resistance to tracking, corrosion, UV exposure, and weathering, ensuring long-term performance in demanding electrical environments.

Technical Specifications

Heat Shrinkable Busbar Insulation Tubing

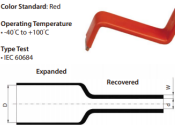
Application
Used in medium voltage substations up to 36kV to reduce electric clearance and increase insulation between busbars.

Feature
• Anti-tracking
• Excellent corrosion resistance
• UV resistance and weathering resistance
• Superior electrical and mechanical properties

Color Standard Red

Operating Temperature
-40°C to +100°C

Type Test
IEC 60684



Type	Expansion Ratio	Recommendation
Order	mm	mm
MBT-10	10	1.00
MBT-15	15	1.50
MBT-20	20	2.00
MBT-25	25	2.50
MBT-30	30	3.00
MBT-35	35	3.50
MBT-40	40	4.00
MBT-45	45	4.50
MBT-50	50	5.00
MBT-60	60	6.00

Type	Expansion Ratio	Recommendation
Order	mm	mm
MBTH-25/10	25	10
MBTH-40/16	40	16
MBTH-45/25	45	25
MBTH-100/40	100	40

Installation and sizing guide for MBT and MBTH series tubing.

Standard Color

Red

Operating Temperature

-40°C to +100°C

Max Rated Voltage

36 kV

Compliance Standard

IEC 60684

Performance Metrics

Key Electrical Properties

12 KV/mm

Dielectric Strength

12 10¹² Ωm

Volume Resistivity

Mechanical Properties

- Tensile strength > 8MPa
- Elongation at break > 200%
- Anti-tracking Class 2A 2.5KV/30min
- Flame propagation: Burning time d 60s

