

10KV 35KV Heat Shrink Busbar Bushing

This thermal shrinkable busbar bushing provides insulation for 10KV and 35KV busbars. It is made of radiation cross-linked polyolefin and provides excellent insulation performance.



ADDITIONAL IMAGES



Overview



High-voltage protective bushings designed for medium voltage electrical applications.

High-Voltage Busbar Protection

This thermal shrinkable busbar protective bushing is specifically designed for 10KV and 35KV electrical systems, providing superior insulation and protection for busbars in switchgear and distribution networks. Made from radiation cross-linked polyolefin, it offers excellent tracking resistance, flame retardancy, and low smoke emission. The material conforms tightly to rectangular, square, and round busbars upon heating, ensuring a secure fit that prevents flashovers and protects against environmental factors.

Key Metrics

Performance Highlights

36 KV

Max Rated Voltage

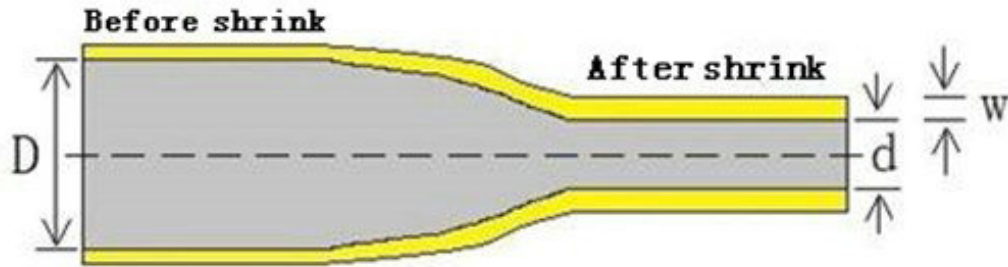
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Shrink Ratio

125 °C

Max Op. Temp

Technical Specifications

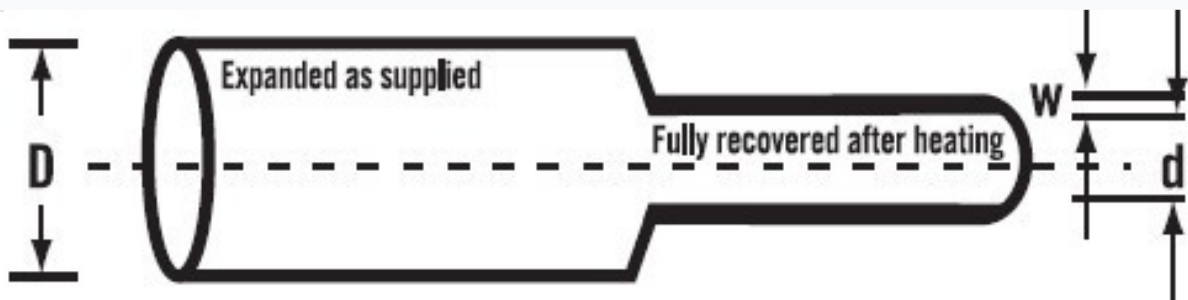


Dimensional overview showing initial diameter (D), final diameter (d), and wall thickness (w).

Material Properties

Property	Typical Data	Test Method
Tensile strength	e8.0MPa	ASTM D 2671
Elongation at break	e300%	ASTM D 2671
Tensile strength (after heat ageing)	e6.0MPa	130 x 16h
Elongation (after heat ageing)	e100%	130 x 16h
Longitudinal change	-8% to +8%	ASTM D 2671
Flammability (Oxygen index)	e28	GB/T 2406
Heat Shock	No cracking	JB 7829 supplement D

Thermal Properties



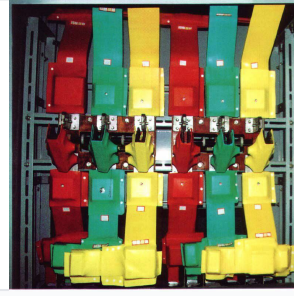
The bushing is supplied in an expanded state and recovers tightly around the busbar after heating.

Min. Shrink Temperature	84 °C
Full Recovery Temperature	120 °C
Operating Temperature Range	-55°C to 125°C

Application & Design



Available in multiple colors for easy phase identification and circuit organization.



Durable heat-shrinkable material ensures long-term performance in harsh environments.

Typical Applications

- Metal-clad switchgear
- Substation switchgear
- Copper or aluminum bus bars
- Inline bolted connections
- Rectangular, square, and round bus bars

Standard Colors

Black, White, Red, Yellow, Green, Blue

Compliance

Compliance & Safety

RoHS Compliant • Flame Retardant • Tracking Resistant