

Heat shrinkable medium wall tube

protection for busbar systems and reduction of minimum clearance

The heat shrinkable tubes type SRBB are medium-walled, without thermoplastic adhesive with a shrinkage ratio of 3:1. Typical applications are medium voltage substations up to 36 kV as well as suitable for corrosion protection.



Product description

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|----------------|---|
| Article name | SRBB 50-18 |
| Article number | 237860 |
| Notes | A standard spool may include sections which have been tied together. Other lengths available on request. |

Characteristics

Medium wall
 Stabilized against UV rays
 Halogen-free
 Tracking resistance
 Non-corrosive
 Resistant to bacteria and fungi
 Free of lead and cadmium
 Silicone free

Applications

Allows for clearance reduction between busbars in medium voltage substations up to 36 kV

Technical data

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| Article name | SRBB 50-18 |
| Article number | 237860 |
| Test standards | IEC 60684-2 |
| Materials | Cross-linked polyolefin |
| Selection Note | Lengths |
| Recommended application range busbar round: Diameter min | 18 mm |
| Recommended application range busbar round: Diameter max | 35 mm |
| Recommended application range busbar rectangular: Width B | 31 mm |
| Recommended application range busbar rectangular: Height H | 60 mm |
| Length L | 1 m |
| Colours | red brown |
| Inner diameter before shrinking (mm) | 50 mm |
| Inner diameter after shrinking (mm) | 18 mm |
| Recovered wall thickness | 2.7 mm |
| Hardness | 39 Shore D |
| Hardness (associated standard) | DIN 53505 |
| Elongation at break | 500 % |
| Elongation at break (associated standard) | IEC 60684-2 |
| Tensile strength at break | 16 MPa |
| Tensile strength at break (associated standard) | IEC 60684-2 |
| Longitudinal shrinkage | +/- 10 % |
| Longitudinal shrinkage (associated standard) | IEC 60684-2 |
| Shrink ratio | 3 : 1 |
| Shrink ratio (associated standard) | IEC 60684-2 |
| Eccentricity expanded | 50 % |
| Eccentricity recovered | 85 % |
| Eccentricity (associated standard) | IEC 60684-2 |
| Shrink temperature | > 125 °C |
| Burning behaviour | not self-extinguishing |
| Burning behaviour (associated standard) | IEC 60684-2 |
| Flexibility at low temperatures | -40 °C |
| Flexibility at low temperatures (associated standard) | IEC 60684-2 |
| Operation temperature min. | -40 °C |
| Operation temperature max. | 100 °C |
| Operation temperature (associated standard) | IEC 60684-3-283 |
| Specific volume resistivity | 10 ¹² Ω cm |
| Specific volume resistivity (associated standard) | IEC 60684-2 |
| Dielectric strength | 20 kV/mm |
| Dielectric strength (associated standard) | IEC 60684-2 |
| Corrosion | none |
| Corrosion (associated standard) | IEC 60684-2 |
| Resistance to fungus and decay | Rate 1 |
| Resistance to fungus and decay (associated standard) | IEC 60684-2 |

Logistics data

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|------------------------|--|
| Article name | SRBB 50-18 |
| Article number | 237860 |
| Delivery scope | Medium wall heat shrinkable tube, on spool or in lengths |
| Shelf life description | Unlimited shelf life |
| Country of origin | Germany |
| Customs tariff number | 39173200 |
| EAN/GTIN | 4010311127187 |

Packaging data

| Packaging type | Bag1 | Bag |
|-------------------|-------|-------|
| Content quantity | 1 | 5 |
| Unit of measure | Piece | Piece |
| Length (mm) | 1010 | 1030 |
| Width (mm) | 92 | 95 |
| Height (mm) | 20 | 75 |
| Net weight (kg) | 0.213 | 1.065 |
| Gross weight (kg) | 0.213 | 1.07 |