

MP-35Kv Bus Bar Heat Shrinkable Sleeve

Description

MP-35KV heat shrink busbar sleeve, known as copper bar protection tube, is made of cross-linked environmental protection polyolefin PE heat shrinkable materials which is bombarded by high power electron beam.



The product with good resistance to bending and scratching, high insulation strength and resistance to electric carbon mark, applies to switchgear, substation bus, busbar, electrical equipment for anti-corrosion and insulation protection. It's widely used in electric power industries.

Feature & benefit

- 1, resistance to flame and corrosion.
- 2, with superior insulated and chemical properties.
- 3, Shrink ratio: 2:1 (1 kV, 35 kV, 10 kV busbar)
- 4, environmental friendly, high strength, good elasticity, flame-resistant, soft.

Operating indexes:

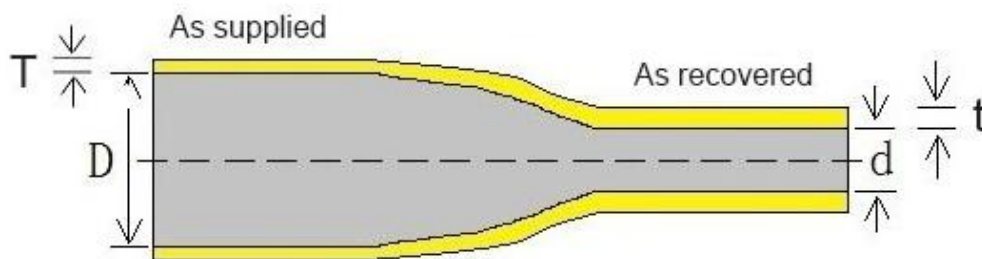
- 1, Min. Shrink temp.: 80°C
- 2, Final shrink temp.: ~120°C
- 3, Operating temp.: -55°C~125°C

Up to standard: Approvals
Meet RoHs compliant

Technical Date

| Product Property | Performance requirements | Test Date |
|---|--------------------------|-----------------|
| Cold bending flexibility | -30°C×4H | No cracks |
| Tensile Strength | ASTM D 2671 | ≥14Mpa |
| Elongation at break | ASTM D 2671 | ≥780% |
| Longitudinal shrink ratio | ASTM D 2671 | 0~9% |
| Tensile strength after heat aging Elongation at break after heat aging | 120°C,168hrs | >10Mpa >200% |
| Dielectric strength | IEC243 | ≥19kv/mm |
| Dielectric constant | IEC250 | ≤3.5 |
| Volume resistance | IEC93 | ≥1014Ω.cm |
| Flammability(Oxygen Index) | ISO 4589 | ≥25 |
| Water absorption | ISO 62/23°C,14days | <0.5% |
| Copper corrosion | UL224 | No corrosion |

Dimension



| Part Number | Basbar Width (MM) | As supplied(mm) | | After recovered (mm) | | Standard length (m/roll) |
|---------------|-------------------|--------------------|--------------------|----------------------|--------------------|--------------------------|
| | | Inner diameter (D) | Wall thickness (T) | Inner diameter (d) | Wall thickness (t) | |
| MP 35kv 30/15 | 30 | ≥30 | 2.0±0.60 | ≤15.0 | 4.0±0.30 | 15 |

| | | | | | | |
|---|---------|------|----------|--------|----------|----|
| MP 35kv 35/18 | 30/40 | ≥35 | 2.0±0.60 | ≤17.5 | 4.0±0.30 | 15 |
| MP 35kv 40/20 | 40 | ≥40 | 2.0±0.60 | ≤20.0 | 4.0±0.30 | 15 |
| MP 35kv 50/25 | 50 | ≥50 | 2.0±0.60 | ≤25.0 | 4.0±0.30 | 15 |
| MP 35kv 60/30 | 60 | ≥60 | 2.0±0.60 | ≤30.0 | 4.0±0.30 | 15 |
| MP 35kv 65/33* | 60/70 | ≥65 | 2.0±0.60 | ≤32.5 | 4.0±0.30 | 15 |
| MP 35kv 70/35 | 70 | ≥70 | 2.0±0.60 | ≤35.0 | 4.0±0.30 | 15 |
| MP 35kv 75/38* | 70/80 | ≥75 | 2.0±0.60 | ≤37.5 | 4.0±0.30 | 15 |
| MP 35kv 80/40 | 80/100 | ≥80 | 2.0±0.60 | ≤40.0 | 4.0±0.30 | 15 |
| MP 35kv 100/50 | 100/120 | ≥100 | 2.0±0.60 | ≤50.0 | 4.0±0.30 | 15 |
| MP 35kv 120/60 | 150 | ≥120 | 2.0±0.60 | ≤60.0 | 4.0±0.30 | 15 |
| MP 35kv 150/75 | 180 | ≥150 | 2.0±0.70 | ≤75.0 | 4.0±0.30 | 15 |
| MP 35kv 180/90* | MAX | ≥180 | 2.0±0.70 | ≤90.0 | 4.0±0.30 | 15 |
| MP 35kv 210/105* | MAX | ≥210 | 2.0±0.70 | ≤105.0 | 4.0±0.30 | 15 |
| MP 35kv 230/115* | MAX | ≥230 | 2.0±0.70 | ≤115.0 | 4.0±0.30 | 15 |
| MP 35kv 250/115* | MAX | ≥250 | 2.0±0.70 | ≤125.0 | 4.0±0.30 | 15 |
| Remark:* Part No. Have no stock, it need to be custom-made. | | | | | | |

