

## MP-10Kv Bus Bar Heat Shrinkable Sleeve

### Description

MP-10KV bus bar heat shrink sleeving, 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 industry.



### 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:

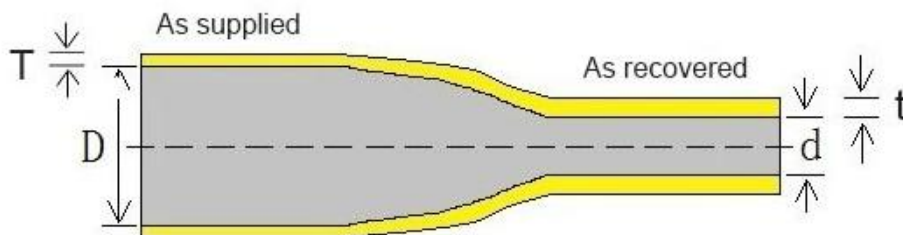
Min. Shrink temp.: 80°C  
Final shrink temp.: ~120°C  
Operating temp.: -55°C~125°C

**Up to standard:** Approvals  
Meet RoHs compliant

## Technical Data

Product Properties	Performance requirements	Test Date
Cold bend flexibility	-30°C×4H	No cracking
Tensile Strength	ASTM D 2671	≥11Mpa
Elongation at break	ASTM D 2671	≥400%
Tensile strength after heat aging (168hrs at136°C) Elongation at break after heat aging (168hrs at136°C)	ASTM D 2671	≥10 MPa >300%
Low temperature flexibility4hrs at-40°C	ASTM D 2671	No cracking
Heat shock 4hr at 200°C	ASTM D 2671	No drop no flow
Dielectric strength	ASTM D 2671	20kv/mm
Volume resistivity	ASTM D 2671	10x10 <sup>14</sup> Ω.cm
Water absorption 336hrs at 23°C	ASTM D 570	<0.5%
Copper corrosion 158°C for 168hrs	IEC 60684-3	No cracking
Color fastness to light	IEC 60684-3	Contrast between exposed and unexposed parts ,The color does not change.

## 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)	25
MP-10KV 15/7.5	15/12	≥15	1.0±0.3 0	≤6.0	2.5±0.20	25
MP-10KV 20/10	20/15	≥20	1.0±0.3 0	≤8.0	2.5±0.20	25
MP-10KV 25/12.5	25/18	≥25	1.0±0.3 0	≤10.0	2.5±0.20	25
MP-10KV 30/15	30/20	≥30	1.0±0.3 0	≤12.0	2.5±0.20	25
MP-10KV 40/20	40/30	≥40	1.2±0.3 0	≤16.0	2.8±0.30	25
MP-10KV 50/25	50/35	≥50	1.2±0.3 0	≤20.0	2.8±0.30	25
MP-10KV 60/30	60/45	≥60	1.2±0.3 0	≤24.0	2.8±0.30	25
MP-10KV 65/32.5	65/45	≥65	1.2±0.3 0	≤26.0	2.8±0.30	25
MP-10KV 70/35	70/50	≥70	1.2±0.3 0	≤28.0	2.8±0.30	25
MP-10KV 75/37.5	75/50	≥75	1.2±0.3 0	≤30.0	2.8±0.30	25
MP-10KV 80/40	80/55	≥80	1.2±0.3 0	≤32.0	2.8±0.30	25
MP-10KV 85/42.5	80/65	≥85	1.2±0.3 0	≤34.0	2.8±0.30	25
MP-10KV 100/50	100/75	≥100	1.2±0.3 0	≤40.0	2.8±0.30	25
MP-10KV 120/60	120/85	≥120	1.2±0.3 0	≤48.0	2.8±0.30	25
MP-10KV 150/85	150/105	≥150	1.2±0.3 0	≤60.0	2.8±0.30	25
MP-10KV 180/90	180/120	≥180	1.2±0.3 0	≤72.0	2.8±0.30	25
MP-10KV 210/105	210/140	≥210	1.2±0.4 0	≤84.0	2.8±0.30	25

MP-10KV 230/115	230/150	≥230	$1.2 \pm 0.4$ 0	≤92.0	2.8±0.30	25
MP-10KV 250/125	250/160	≥250	$1.2 \pm 0.4$ 0	≤100.0	2.8±0.30	25
Standard colors: Iron red, yellow, green, black.						

