

MPG Heat-shrinkable Busbar Sleeve



Description:

MPG Heat-shrinkable Busbar Sleeve

is Typically used for insulation protection of copper or aluminum bar of power products, like high-low pressure transformer substation, switch cabinet and etc.

Product Features/Benefits:

- Tracking resistant, low smoke emitting, high strength, flexible, flame retardant
- Good heat-resistant.
- Soft and elastic.
- Has good insulation resistance, corrosion resistance and weather ability.
- RoHS compliant

Installation:

Minimum shrink temperature: 84°C

Minimum full recovery temperature: 120°C

Operating Temperature Range: -55°C to 120°C

Equipped devices:

- Heat-shrinkable tape
- Busbar connections junction box
- Arrester protection box

Technical Data:

No.	Property	Index
1	Hardness (shore A)	≤90
2	Density (kg/m ³)	10 * 1.15 ³
3	Water absorption (°C)	<0.5
4	Fully recovery temperature (°C)	130±5
5	Radial shrink ratio (%)	>50
6	Longitudinal shrinkage ratio (%)	<5
7	Tensile strength (mpa)	>12
8	Elongation (%)	>400
9	Dielectric strength (kv/mm)	≥25
10	Volume resistivity (Ω*cm)	>1*10 ¹⁴
11	Oxygen index	≥30
12	Eccentricity (%)	<30

Technical data:

No.	Property	Index
1	Appearance	Smooth surface
2	Hardness	≤80
3	Density, 20℃, 10 ³ kg/m ³	1.34±0.1
4	Water absorption, % (In 14 days)	≤0.5
5	Shrink temperature, ℃	130±5
6	Axial shrink ratio, %	≤10
7	Tensile strength, Mpa	≥12.0
8	Elongation, %	≥400
9	Flexibility at low temperature, -40±2℃/4h	No crack
10	Heat shock, 200±2℃/4h	No drop and flow
11	Heat aging resistance, 136±2℃/168h	No drop and flow
12	Disruptive strength, KV/mm	≥23.0
13	Volume resistivity, Ω.cm	≥1*10 ¹⁴
14	Oxygen index	≥28.0

Specifications:

Type	Applied for Bus bar width (mm)	Diameter before shrink (mm)	Wall thickness after shrink (mm)	Diameter after shrink (mm)
MPG-X-C-20/10	20-25	≥20	2.0±0.1	<10
MPG-X-C-25/12	25-30	≥25	2.0±0.2	<12
MPG-X-C-30/15	30-40	≥30	2.5±0.2	<15
MPG-X-C-40/20	40-50	≥40	3.0±0.2	<20
MPG-X-C-50/25	50-55	≥50	3.0±0.2	<25
MPG-X-C-60/30	60-70	≥60	3.0±0.2	<30
MPG-X-C-70/35	70-80	≥70	3.0±0.2	<35
MPG-X-C-80/40	80-100	≥80	3.0±0.2	<40
MPG-X-C-100/50	100-120	≥100	3.0±0.2	<50
MPG-X-C-120/60	120-140	≥120	3.0±0.2	<60
MPG-X-C-150/75	150-180	≥150	3.5±0.2	<75
MPG-X-C-180/90	180-210	≥180	3.5±0.2	<90
MPG-X-C-210/105	210-240	≥210	4.0±0.2	<105

1. X denotation: 1 (for 1kV), 10 (for 10kV), 35 (for 35KV).

2. C denotation color :RD (red). GN (green). YW (yellow).

3. Standard length is 25 m/roll.

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