

Part Number MPG (1KV)

Header MPG Heat-Shrinkable Bus Bar Tubing

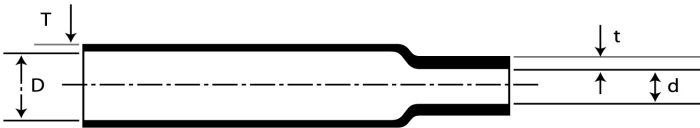
Description Thermosleeve-USA MPG (1KV) is a flexible, low smoke, heavy wall, heat-shrinkable polyolefin used to protect rectangular, square and round bus bars found in low or medium voltage switching equipment. Available in various standard and custom colors.

Agency Approval & Compliance ROHS, Halogen Free, Flame Retardant, REACH

Application Thermosleeve-USA MPG (1KV) is used to protect large equipment, Commercial Industries, Electrical, Bus bars, etc. Provides electrical insulation, protection of wire and cable bundles from corrosion and damage.

Shrink Ratio and Operating Temperature MPG (1KV) is available as a 2:1 material, shrinking to one half (50%) of its supplied size. The tubing's wall thickness also changes proportionally to the degree of recovery.

MPG (1KV) high temperature heat shrink has an operating temperature range of -55°C to 125°C and a shrink temperature of 90°C – 120°C.

Standard Sizes and Dimension

MPG-1kV

Size (inches)	Size (mm)	As Supplied (mm)		After Recovery (mm)		Bus Bar Size	
		Inside Dia. (D)	Wall Thick. (T)	Inside Dia. (d)	Wall Thick. (t)	Rectangle (W)	Round (D)
51/64"	20/10	20±1.0	0.55±0.25	10	1.20±0.25	20	15
1-1/4"	30/15	31.5±1.0	0.55±0.25	15	1.20±0.25	30	20
1-9/16"	40/20	40.5±1.5	0.60±0.30	20	1.20±0.25	40	30
2"	50/25	50.5±2	0.60±0.30	25	1.20±0.25	50	35
2-3/8"	60/30	60±3	0.60±0.30	30	1.20±0.25	60	45
2-3/4"	70/35	70±3	0.60±0.30	35	1.20±0.25	70	50
3"	80/40	80±3	0.70±0.35	40	1.45±0.30	80	55
3-1/2"	90/45	90±4	0.70±0.35	43	1.45±0.30	90	65
4"	100/50	100±4	0.70±0.35	50	1.45±0.30	100	75
5"	120/60	120±4	0.70±0.35	60	1.45±0.30	120	85
6"	150/75	150±4	0.70±0.35	75	1.45±0.30	150	105

MPG-1kV Typical Properties

Item	Specifications
Shrink Temperature (°C)	90~120°C
Operating Temperature Range (°C)	125°C
Longitudinal Shrink Ratio	±10%
Tensile Strength (Mpa)	≥10Mpa
Elongation at break (%)	≥300
Aging in Circulating-air Oven	158.0±2.0°C, 168hrs
After Aging - Tensile Strength (Mpa)	≥7.3
After Aging - Ultimate Elongation (%)	≥200
Volume Resistivity (Ω .cm)	≥10 ¹⁴
Dielectric Strength (kV/mm)	≥25
Oxygen index	≥30
Water absorption	<0.5%

Availability Continuous reel reels, various colors

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