



DB-BL 1KV VOLTAGE TUBING

Heat shrink bus bar tubing, thin wall

Applications

Suitable for insulation and protection of bus bar against accidental flashover up to 1 KV. Ideal for using in switchgears cabinets where space is limited and air spacing between bus bars need to be minimized.

Features

- Flame retardant thin wall cross-linked polyolefin
- Bus bar insulation and protection
- Reduces bus bar clearance requirement
- Halogen free, RoHS compliant
- Protects against short circuit and electrical leakage caused by small animals.

Various

Operating temperature: -40 to +105 °C. Minimum shrink temperature: 125 °C. Voltage class: 1KV
Standard color: Black

Technical Data

Property	Test Method	Values	
Physical	Tensile strength	ASTM D2671	214 MPa
	Elongation at break	ASTM D2671	N400%
	Tensile strength at aging (136°C/168hrs)	ASTM D2671	212 MPa
	Elongation at break at aging (136°C/168hrs)	ASTM D2671	≥300%
	Tensile strength resistance to selected fluids (23°C/168hrs)	IEC60684-2	≥8MPa
	Elongation at break resistance to selected fluids (23°C/168hrs)	IEC60684-2	≥250%
	Density	ASTM D2671	1.15-1.25
	Thermal endurance	IEC216	125°C
	Water absorption (23°C/336hrs)	ASTM D570	S0.5%
	Low Temperature flexibility (-40°C/4hrs)	ASTM D2671	No cracking
	Heat shock (225°C/4hrs)	ASTM D2671	No drop, no flow
Electrical	Volume resistivity	ASTM D2671	≥10 ¹⁴ Ω.cm
	Dielectric strength	ASTM D2671	218/KV/mm
Chemical	Flammability	ASTM D2671	Self-extinguish in 30s
	Smoke index		
	Copper corrosion (158°C/168hrs)		



Dimensions

As Supplied (mm)	After Recovery (mm)		Standard Length m/roll
	Inside Diameter Min. (D)	Wall Thickness Min. (WT)	
25	12	0.8	50
30	15	0.8	50
40	20	0.9	50
50	25	0.9	25
60	30	1.0	25
70	35	1.1	25
80	40	1.2	25
90	45	1.3	25
100	50	1.3	25
120	60	1.3	25
150	75	1.5	25
180	90	1.5	25

•Length as standards. 1 m. or 1,22 m. sticks, special Lengths or cut pieces available on request.