



DB-BM/DB-BH MEDIUM VOLTAGE TUBING

Heat shrink bus bar tubing, medium wall, heavy wall

Applications

DB-BM/DB-BH is medium and heavy wall heat shrinkable tubing. Made from specially formulated radiation cross-linked halogen free compounds. It can provide high resistance to tracking and arcing. Used to enhance the insulation properties of bus-bar in switch and substation to adapt to application in insulating medium voltage bus bars up to 11kV, 24kV, 36kV.

Features

The continuous length of supplied products make it more convenient and economical. Material: made from specially formulated radiation cross-linked halogen free compounds.

Various

Minimum shrink temperature: 110 °C

Standard color: Red.

Packaging: Spools or sticks as standards.

Specials: Printing, special sizes and other special features available on request.



Technical Data

Property	Test Method	Typical Data
Tensile strength	ASTM D 2671	≥11.8MPa
Tensile strength after aging(136°C/168 hrs.)	ASTM D 2671	≥10MPa
Elongation at break	ASTM D 2671	≥700%
Elongation at break after aging(136°C/168 hrs.)	ASTM D 2671	≥500%
Longitudinal shrinkage	ASTM D 2671	0 to -10%
Heat shock 200°C/4 hrs	ASTM D 2671	No cracking, no dropping
Volume resistance	IEC 93	≥10 ¹³ Ω.cm
Flammability (oxygen index)	IEC 2863	≥25
Water absorption	ISO 62 (23°/14days)	<0.5%
Dielectric strength	IEC 243	≥ 20KV/mm

Dimensions

Size	As Supplied (mm)	After Recovery (mm)		Rectangular Bus Bars (mm)		Round Bus Bar (mm)		Standard length m/spool
mm. (D)	Inside Diameter Min. (D)	Inside Diameter Max. (d)	Min Thickness shrink on the Bus bar (t)					
DB-BM Medium Wall Bus bar Insulation Tubing, for service to 24kV on unbolted bus bar								
Φ15/6	15	6	1.6	15	25	10	18	30
Φ30/12	30	12	1.6	22	35	15	25	30
Φ40/16	40	16	1.6	28	45	20	30	30
Φ50/20	50	20	1.6	38	55	25	40	15
Φ75/30	75	30	1.6	45	65	35	50	15
Φ100/40	100	40	1.6	70	110	50	80	15
Φ120/50	120	50	1.6	90	140	60	95	15
Φ150/60	150	60	1.6	105	180	70	120	1.0-1.5m
Φ205/75	205	75	1.6	130	210	85	140	1.0-1.2m
Φ235/75	235	75	1.6	140	260	95	170	1.0-1.2m
DB-BH Heavy Wall Bus bar Insulation Tubing, for service to 36kV on unbolted bus bar								
Φ25/10	25	10	2.5	15	25	10	18	1.0-1.5m
Φ40/16	40	16	2.5	28	45	20	30	1.0-1.5m
Φ75/25	75	25	2.5	45	65	35	50	1.0-1.5m
Φ120/40	120	40	2.5	90	140	60	95	1.0-1.5m
Φ150/60	150	60	2.5	105	180	70	120	1.0-1.5m
Φ180/75	180	75	2.5	130	210	85	140	1.0-1.2m



*Spools as standards. 1 m. or 1,22 m. sticks, special spool lengths or cut pieces available on request.