

QBM, QBT

RoHS
Compliant

HALOGEN FREE, HEAT SHRINKABLE, 11-36kV
BUS BAR INSULATION PROTECTION TUBING
SHRINK RATIO 2.5:1

Features/Applications

Made from specially formulated radiation cross-linked halogen-free compounds. The carefully produced product can provide high resistance to tracking and arcing. Used to enhance the insulation properties of bus bar in switchgear and substations. The continuous length of supplied products makes it more convenient and economical.



- Operating temperature: -55°C to +105°C
- Halogen free
- Minimum shrink temperature: 110°C
- RoHS Compliant

Technical Data								
Property		Test Method			Typical Data			
Tensile Strength		ASTM D 2671			≥ 11.8 MPa			
Tensile Strength After Aging (120°C, 168 hrs.)		ASTM D 2671			≥ 10MPa			
Longitudinal Shrinkage		ASTM D 2671			0 to -10%			
Elongation at Break (120°C, 168 hrs.)		ASTM D 2671			≥ 700%			
Elongation at Break After Aging		ASTM D 2671			≥ 500%			
Dielectric Strength		IEC 243			≥ 20kV/mm			
Dielectric Constant		QBT - IEC 250			Max. 3.0			
Volume Resistance		IEC 93			≥ 10 ¹³ Ω.cm (min.)			
Flammability (Oxygen Index)		QBM - ASTM D 2863, QBT - ASTM D 4589			≥ 25			
Copper Corrosion (QBT) (120°C, 168 hrs.)		ASTM D 2671			No corrosion			
Cold Bend (QBT) (-40°C, 4 hrs.)		ASTM S 2671			No cracking			
Water Absorption (23°C, 14 days)		ISO 62			< 0.5%			
Product Dimensions QBM-Medium Wall Bus Bar Tubing 11kV-24kV								
Size (mm)	As Supplied (mm)	After Recovered (mm)			Tubing Shape	Standard Spool *(SS) (Meter)		
	Inside Diameter (min.)	Inside Diameter (max.)	Wall Thickness (min)					
Continuous Length Tubing								
25/10	25	10	2.0	Flat	30			
30/12	30	12	2.0	Flat	30			
35/14	35	14	2.0	Flat	30			
40/16	40	16	2.0	Flat	30			
50/20	50	20	2.0	Flat	15			
65/25	65	25	2.0	Flat	15			
75/30	75	30	2.0	Flat	15			
100/40	100	40	2.0	Flat	15			
Cut Length Tubing					Standard Packaging *(QB) (mm)			
150/60	150	60	3.0	Flat	1000			
180/70	180	70	3.0	Flat	1000			
205/75	205	75	3.3	Flat	1000			
235/75	235	75	3.3	Flat	1000			
Product Dimensions QBT-Medium Wall Bus Bar Tubing 11kV, 24kV, 36kV								
Size (mm)	As Supplied (mm)	After Recovered (mm)		Rectangular Bus Bar (mm)		Round Bus Bar (mm)		Standard Spool *(SS) (Meter)
	Inside Diameter (min.)	Inside Diameter (max.)	Wall Thickness (min)					
18/6	18	6	2.0	6.4	19	6.8	15.0	15
30/12	30	12	2.3	15.0	30	12.7	25.4	15
40/16	40	16	2.5	27.0	45	17.0	32.0	15
50/20	50	20	2.5	32.0	51	21.0	40.0	15
65/25	65	25	2.5	45.0	75	26.0	52.0	15
75/30	75	30	2.6	48.0	85	31.0	60.0	15
100/40	100	40	2.6	73.0	120	45.0	80.0	15
120/50	120	50	3.0	69.8	111	50.0	90.0	15

Notes:

- * See Part Number Guide for standard packaging codes.
- Special sizes, packaging, colors and cut pieces are available upon request.