

QSC-100

RoHS
Compliant

HEAT SHRINKABLE STRESS CONTROL TUBING
FOR USE WITH 11kV, 24kV POWER CABLE ACCESSORIES
SHRINK RATIO 2:1



Features/Applications

QSC-100 is made from radiation cross-linked polymeric materials. The specially designed chemical formulation and carefully controlled manufacture technology makes the tube effectively control the high electrical stress present at insulation screen termination and joints of power cables. QSC-100 is for 11kV and 24kV power cable accessories.

- Operating temperature: -45°C to +100°C
- Minimum shrink temperature: 100°C
- Full recovery temperature: 130°C
- Standard color: Black
- RoHS Compliant

Technical Data

Property	Test Method	Typical Data
Operating Temperature	IEC 216	-45°C to 100°C
Tensile Strength	ASTM D 638	≥ 10 MPa
Elongation at Break	ASTM D 638	≥ 300%
Heat Shock (200°C, 30 min.)	ES109-13	No splitting, cracking, dropping or flowing
Dielectric Constant	IEC 250	≥ 15
Volume Resistance	IEC 93	≥ 10 ¹¹ Ω.cm
Low Temperature Flexibility	-	No cracking after 4hrs. at -20°C (max.)
Water Absorption	ISO 62	<1.0%
Longitudinal Shrinkage	-	0 ± 5%
Eccentricity	ASTM D 2671	< 35%

Product Dimensions

Size (mm)	As Supplied (mm)		After Recovered (mm)		Tubing Shape	Standard Spool *(SS) (mm)
	Inside Diameter (min.)	Inside Diameter (max.)	Inside Diameter (max.)	Wall Thickness (min.)		
Continuous Length Tubing						
16/8	16	8	1.4	Flat	30	
20/10	20	10	1.5	Flat	30	
30/12	30	12	2.0	Flat	30	
35/15	35	15	2.4	Flat	30	
47/18	47	18	2.5	Flat	30	
50/20	50	20	2.5	Flat	30	
54/24	54	24	2.5	Flat	15	
65/30	65	30	2.5	Flat	15	
Cut Length Tubing						Standard Packaging *(QB) (mm)
47/18	47	18	2.5	Round	1000	
55/21	55	21	2.5	Round	1000	
65/25	65	25	2.5	Round	1000	
75/30	75	30	2.5	Round	1000	

Notes:

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