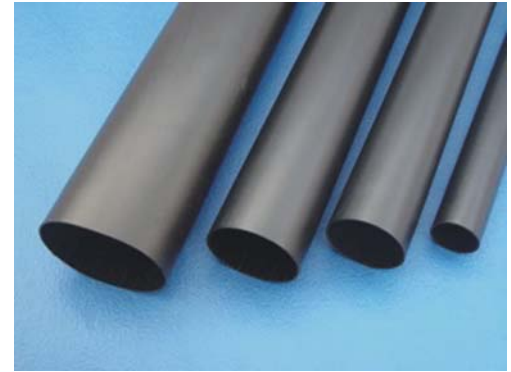# QSC-100   RoHS Compliant

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	$\geq$ 10 MPa
Elongation at Break	ASTM D 638	$\geq$ 300%
Heat Shock (200°C, 30 min.)	ES109-13	No splitting, cracking, dropping or flowing
Dielectric Constant	IEC 250	$\geq$ 15
Volume Resistance	IEC 93	$\geq 10^{11}$ Ω.cm
Low Temperauture Flexibility	-	No cracking after 4hrs. at -20°C (max.)
Water Absorption	ISO 62	<1.0%
Longitudinal Shrinkage	-	$0 \pm 5\%$
Eccentricity	ASTM D 2671	< 35%

Product Dimensions

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					
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
					Standard Packaging *(QB) (mm)
Cut Length Tubing					
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.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Qualtek](#):
  [Q5-2X-1 1/2-01-QB48IN-5](#)