

QRA-6X

VERY HIGH SHRINK RATIO, HEAVY DUAL WALL TUBING, HOT MELT ADHESIVE-LINED **SHRINK RATIO 6:1**

Features/Applications

Ideal for applications of extremely different diameter between cables, connectors and components. The high shrink ratio provides close fit to a wide variety of irregular shapes, connectors and figurations. Provides excellent mechanical protection to cable joints and terminations, complete environmental protection and is resistant to impact and abrasion.

• Operating temperature: -55°C to +110°C • Minimum shrink temperature: 120°C • Full recovery temperature: 120°C

• Standard color: Black • RoHS Compliant

- · Very high shrink ratio
- Resistant to UV radiation
- High electrical insulation
- · Superior mechanical property



Technical Data						
Property	Test Method	Typical Data				
Tensile Strength	ASTM D 2671	≥14 MPa				
Tensile Strength After Aging (158°C, 168 hrs.)	ASTM D 2671	≥ 12 MPa				
Longitudinal Shrinkage	UL 224	0 ± 10%				
Elongation at Break	ASTM D 2671	≥ 400%				
Elongation at Break After Aging (50°C, 168 hrs.)	ASTM D 2671	≥ 300%				
Dielectric Strength	IEC 243	≥ 18kV / mm				
Volume Resistance	IEC 93	≥13 ¹⁴ Ω.cm				
Copper Stability	ASTM D 2671	Non-corrosive				
Heat Shock (225°C, 4hrs.)	ASTM D 2671	No cracking or flowing				

Property	Test Method	Typical Data
Water Absorption	ISO 62	< 0.2%
Softening Point	ASTM D E28	85°C ± 5°C
Peel Strength (PE)	DIN 30672	4N / cm
Resistance to Fungus and Decay	ISO 846	Pass

Product Dimensions									
Size (mm)	As Supplied (mm)	After Recovered (mm)			Standard Packaging				
	Inside Diameter (min.)	Inside Diameter (max.)	Wall Thickness (min.)	Tubing Shape	Cut to Length Pcs. *(QB) Qty per bag (48" pcs.)				
19/3.2	19.0	3.2	3.2	Round	20				
33/5.5	33.0	5.5	3.4	Round	20				
44.4/7.4	44.4	7.4	3.6	Round	15				
50.8/8.3	50.8	8.3	4.3	Round	15				
69.8/11.7	69.8	11.7	4.8	Round	15				
88.9/17.1	88.9	17.1	4.8	Round	15				
119.4/22.9	119.4	22.9	4.8	Round	10				
235/40	235.0	40.0	4.8	Round	10				

Notes:

1. *See page 13 - Part Number Guide for standard packaging codes.
2. Cross Reference Guide located on page 3.
3. Special sizes, packaging, colors and cut pieces are available upon request.