

# Q5-4XR



## SEMI-RIGID, ADHESIVE LINED HEAT SHRINKABLE TUBING SHRINK RATIO 4:1

### Features/Applications

Specially designed for the protection of wires, terminals and other components against environmental damage. The semi-rigid composition makes it more abrasion resistant compared with most common tubing and the 4:1 shrink ratio fits a wide range of component diameters. With its thicker liner, it forms an effective barrier against fluids and moisture.

- Operating temperature: -55°C to +125°C
- Minimum shrink temperature: 110°C
- Full recovery temperature: 135°C
- Meets: SAE-AMS-DTL-23053/4, 600V
- Standard colors: Black and clear
- RoHS Compliant



### Technical Data

Property	Test Method	Typical Data
Tensile Strength	ASTM D 2671	>16 MPa
Tensile Strength After Aging (158°C, 168 hrs.)	ASTM D 2671	>13 MPa
Elongation at Break	ASTM D 2671	>400%
Elongation at Break After Aging (158°C, 168 hrs.)	ASTM D 2671	>300%
Longitudinal Shrinkage	UL 224	0 ± 5%
Heat Shock	250°C, 4 hrs.	No cracking, no dropping
Cold Bend ( -30°C, 1 hr.)	ASTM D 2671	No cracking
Breakdown Voltage	ASTM D 2671	AC 2500V (min.)
Volume Resistance	ASTM D 2671	>10 <sup>14</sup> Ω.cm
Flammability	-	Self extinguish in 30 seconds
Copper Corrosion (158°C, 168 hrs.)	UL 224	Pass
<b>Property of adhesive</b>		
Ring-Ball Soft Point	ASTM E 28	110°C ± 5°C

### Product Dimensions

Size (mm)	As Supplied (mm)		After Recovered (mm)			Standard Packaging	
	Inside Diameter (min.)	Inside Diameter (max.)	Wall Thickness (min.)	Adhesive Thickness (nom.)	Cut to Length Pcs. (QB)* Qty per bag		
					6"	48"	
6/1.27	6	1.27	1.30	0.56	20	5	
8/1.65	8	1.65	1.52	0.76	16	5	
12/2.41	12	2.41	1.91	1.02	14	5	
18/4.45	18	4.45	2.41	1.37	12	5	

#### Notes:

- \* See Part Number Guide for standard packaging codes.
- Cross Reference Guide available.
- Special sizes, packaging, colors and cut pieces are available upon request.
- Halogen free heat-shrinkable adhesive-lined tubing is available upon request.