

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
- Minimum Full recovery temperature: 135°C
- Meets: SAE-AMS-DTL-23053/4, Ford ESB-M99D56-A2, 600V
- Standard colors: Black and Clear
- RoHS Compliant



Technical Data

| Property | Test Method | Test Requirements |
|---|---------------|-------------------------------|
| Tensile Strength | ASTM D 2671 | >10 MPa |
| Elongation at Break | ASTM D 2671 | >200% |
| Elongation at Break After Aging (158°C, 168 hrs.) | ASTM D 2671 | >100% |
| Longitudinal Shrinkage | UL 224 | -10~0% |
| Heat Shock | 250°C, 4 hrs. | No cracking, no dropping |
| Cold Bend (-30°C, 4 hr.) | ASTM D 2671 | No cracking |
| Dielectric Strength | ASTM D 2671 | 15kV (min.) |
| Minimum Volume Resistance | ASTM D 2671 | >10 ¹⁴ Ω.cm |
| Flammability | - | Self extinguish in 30 seconds |
| Copper Corrosion (158°C, 168 hrs.) | UL 224 | Pass |
| Property of adhesive | | |
| Ring-Ball Soft Point | ASTM E 28 | 135°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 | |
| 6/1.27 | 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.