

## Q2-R RoHS Compliant

**SEMI-RIGID, MULTI-PURPOSE,  
FLAME RETARDANT, POLYOLEFIN TUBING**  
SHRINK RATIO 2:1

### Features/Applications

Outstanding physical, chemical and electrical properties. Widely used for insulation of harnesses and connectors in such fields as military, aerospace and fine electronic instruments. Resistant to common fluids and solvents.

- Operating temperature: -55°C to +135°C
- Minimum shrink temperature: 70°C
- Full recovery temperature: 130°C
- Approvals: File No. E236137, File No. 242540, 125°C, VW-1, 600V
- Meets: SAE-AMS-DTL-23053/6 Class 1 & 2, Sony SS-00259
- Standard colors: Black, clear (Non-flame retardant)
- RoHS Compliant



### Technical Data

Property	Test Method	Typical Data
Operating Temperature	IEC 216	-55°C to +135°C
Tensile Strength	ASTM D 2671	>16 MPa
Ultimate Elongation	ASTM D 2671	> 500%
Longitudinal Shrinkage	UL 224	0 ± 5%
Eccentricity	ASTM D 2671	< 30%
Heat Aging Tensile Strength Ultimate Elongation	175°C, 168 hrs.	> 12 MPa > 350 %
Flammability	VW-1	Pass
Dielectric Strength	ASTM D 150	> 20kV / mm
Voltage Withstand	ASTM D 2671 / AC2500V. 1 min.	No Breakdown
Volume Resistance	ASTM D 2671	10 <sup>14</sup> Ω.cm
Copper Stability	UL 224	Pass
Copper Corrosion	UL 224	No Corrosion

### Product Dimensions

Size (Inch)	As Supplied (mm)		After Recovered (mm)		Standard Packaging			
	Inside Diameter (min.)	Inside Diameter (max.)	Wall Thickness (min.)	Mini Spool *(MS) (Feet)	Standard Spool *(SS) (Feet)	Cut to Length Pcs. *(QB)		
						6"	48"	
3/64	1.2	0.6	0.4	100	500	40	25	
1/16	1.6	0.8	0.4	100	500	36	25	
3/32	2.4	1.2	0.5	100	500	32	25	
1/8	3.2	1.6	0.5	100	500	28	25	
3/16	4.8	2.4	0.5	100	250	24	25	
1/4	6.4	3.2	0.6	100	250	20	25	
3/8	9.5	4.8	0.6	100	250	16	25	
1/2	12.7	6.4	0.6	100	150	14	5	
5/8	16.0	8.0	0.7	50	150	14	5	
3/4	19.1	9.5	0.7	50	150	12	5	
1	25.4	12.7	0.9	50	150	8	5	

Notes:

1. \* See Part Number Guide for standard packaging codes..
2. Cross Reference Guide available.
3. Special sizes, packaging, colors and cut pieces are available upon request.
4. Clear tubing is not flame retardant, UL or CSA approved.