

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: 90°C
- Full recovery temperature: 130°C
- Approval: File No. E236137, 242540, 125°C, VW-1, 600V
- Meets: SAE-AMS-DTL-23053/5 Class 1 & 3, Sony SS-00259
- Standard color: Black, clear (Non-flame retardant)
- RoHS Compliant

Technical Data		
Property	Test Method	Typical Data
Tensile Strength	ASTM D 2671	16 MPa
Elongation at Break	ASTM D 2671	500%
Tensile Strength After Aging (175°C, 168 hrs.)	ASTM D 2671	14 MPa
Elongation After Aging (175°C, 168 hrs.)	ASTM D 2671	250%
Flammability	Self-extinguish in 30 sec.	Pass
Heat Shock (250°C, 4 hrs.)	ASTM D 2671	No cracking
Cold Bend Test (-55°C, 4 hrs.)	ASTM D 2671	No cracking
Dielectric Strength	ASTM D 150	20 kV / mm
Volume Resistance	ASTM D 876	10 ¹⁴ Ω.cm
Copper Corrosion	UL 224	Pass
Water Absorption	ASTM D 570	0.15%
Chemical Resistance	SAE-AMS-DTL-23053/5	Pass
Longitudinal Shrinkage	UL 224	0 ± 5%
Eccentricity	UL 224	< 30%

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. Special sizes, packaging, colors and cut pieces are available upon request.