Q2-F4X

RoHS Compliant

HIGH SHRINK RATIO, HIGHLY FLEXIBLE FLAME RETARDANT POLYOLEFIN TUBING SHRINK RATIO 4:1



Features/Applications

Manufactured with specially developed formulation and technology, it can easily fit over a large diameter connector or transition and shrink down onto a smaller diameter jacket. Because of its outstanding physical, chemical and electrical properties it's widely used in some important fields such as military, aerospace and fine electronic instruments for insulating or repairing harnesses, cables and connectors.

- Operating temperature: -55°C to +135°C
- Minimum shrink temperature: 70°C
- Full recovery temperature: 100°C
- Approval: c UL us File No. E236137, SP 242540, 125°C
- Meets: SAE-AMS-DTL-23053/5 Class 1 & 3, Sony-SS-00259
- Standard color: Black
- Special Colors: Red, blue, yellow, green
- RoHS Compliant

Technical Data

Property	Test Method	Typical Data
Tensile Strength	ASTM D 2671	14 MPa
Elongation at Break	ASTM D 2671	800%
Tensile Strength After Aging (175°C, 168 hrs.)	ASTM D 2671	14 MPa
Elongation After Aging (175°C, 168 hrs.)	ASTM D 2671	350%
Flammability	UL 224, VW-1 SAE-AMS-DTL-23053/5	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		As Supplied (mm)	After Recovered (mm)		Standard Packaging	
		Inside Diameter (min.)	Inside Diameter (max.)	Wall Thickness (min.)	Cut to Length Pcs. *(QB) Qty per bag	
Inch	mm				6"	48"
3/4	19.1/4.6	19.1	4.6	1.7	12	5
1	25.4/7.0	25.4	7.0	1.7	8	5
1 1/2	38.1/9.5	38.1	9.5	1.7	5	5
2	50.8/14.0	50.8	14.0	1.7	3	5
3	76.2/20.6	76.2	20.6	1.7	2	2
4	102/26.7	102.0	26.7	1.7	1	2
4 1/2	115/36.8	115.0	36.8	1.7	1	2

Notes:
1. * See Part Number Guide for standard packaging codes.
2. Special sizes, packaging, colors and cut pieces are available upon request.
3. 5.6:1 Shrink ratio, Medium wall SAE-AMS-DTL-23053/15 available. (QFR5X)