


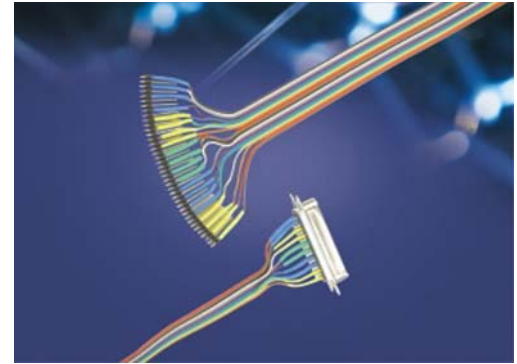
Q2-F3X RoHS Compliant

HIGHLY FLEXIBLE, FLAME RETARDANT POLYOLEFIN TUBING
SHRINK RATIO 3:1

Features/Applications

Outstanding physical, chemical and electrical properties make it a good choice for electrical insulation, bundling and marking. It also prevents corrosion plus provides mechanical protection. It's 3:1 shrink ratio makes it suitable for applying to irregular and difficult shapes.

- Operating temperature: -55°C to +135°C
- Minimum shrink temperature: 70°C
- Full recovery temperature: 100°C
- Approval:  File No. E236137
- Meets: SAE-AMS-DTL-23053/5 Class 1 & 3, Sony-SS-00259,
- Standard color: Black
- Special Colors: Red, blue, yellow, green, clear (class 2)
- 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	
Inch	mm	Inside Diameter (min.)	Inside Diameter (max.)	Wall Thickness (min.)	Standard Spool *(SS) (Feet)	Cut to Length Pcs. *(QB)	
						6"	48"
1/16	1.5/0.5	1.6	0.5	0.45	500	28	25
1/8	3.0/1.0	3.2	1.0	0.55	500	24	25
3/16	4.5/1.5	4.8	1.5	0.60	500	24	25
1/4	6.0/2.0	6.4	2.0	0.65	250	20	25
3/8	9.0/3.0	9.5	3.0	0.75	250	16	25
1/2	12.0/4.0	12.7	4.0	0.80	150	14	5
3/4	18.0/6.0	19.1	6.0	0.90	150	12	5
1	24.0/8.0	25.4	8.0	1.20	150	8	5
1 1/2	39.0/13.0	39.0	13.0	1.25	150	5	5

Notes:

- * See Part Number Guide for standard packaging codes.
- Special sizes, packaging, colors and cut pieces are available upon request.