

## Q5-2X



**DUAL WALL, ADHESIVE LINED, FLEXIBLE POLYOLEFIN TUBING  
SHRINK RATIO 2:1**

### Features/Applications

Heat shrinkable dual wall adhesive lined tubing is manufactured by co-extrusion of polyolefin and hot-melt adhesive. Designed to provide both insulation and sealing for protection against water and moisture of auto wires, shipping cables, metal tubes and bundled wires.

- Operating temperature: -45°C to +125°C
- Minimum shrink temperature: 100°C
- Full recovery temperature: 125°C
- Approvals<sup>4</sup>: File No. E236137, File No. 242540, 125°C, VW-1, 600V
- Meets: Sony-SS-00259, SAE-AMS-DTL-23053/4
- Standard color: Black
- Special colors: Red, blue, white, yellow, clear(non-flame retardant jacket)
- RoHS Compliant



### Technical Data

Property	Test Method	Typical Data
Tensile Strength	ASTM D 2671	10.4 MPa (min.)
Tensile Strength After Aging	ASTM D 2671	158°C, 168 hrs., remains 70%
Elongation at Break	ASTM D 2671	200% (min.)
Elongation at Break After Aging (158°C, 168 hrs.)	ASTM D 2671	100% (min.)
Longitudinal Shrinkage	UL 224	0 ± 10%
Heat Shock	250°C, 4 hrs.	No cracking, no dropping
Cold Bend ( -30°C, 1 hr.)	ASTM D 2671	No cracking
Voltage Withstand (AC 2500V, 60 seconds)	ASTM D 2671	No breakdown
Break Down Voltage	ASTM D 2671	AC 2500V (min.)
Volume Resistance	ASTM D 876	Min. 10 <sup>14</sup> Ω.cm (min.)
Flammability	SAE-AMS-DTL-23053/4	Self extinguish in 30 seconds
Copper Corrosion (158°C, 168 hrs.)	UL 224	Pass
Water Absorption	ASTM D 570	< 0.5%

### Product Dimensions

Size		As Supplied (mm)	After Recovered (mm)			Standard Packaging		
Inch	mm	Inside Diameter (min.)	Inside Diameter (max.)	Total Wall Thickness (min.)	Adhesive Thickness (nom.)	Standard Spool *(SS) (Meter)	Cut to Length Pcs. *(QB) Qty per bag	
							6"	48"
1/8	3.2/1.6	3.20	1.6	0.70	0.20	200	28	25
3/16	4.8/2.4	4.80	2.4	0.70	0.20	100	24	25
1/4	6.4/3.2	6.40	3.2	0.75	0.20	100	20	25
3/8	9.5/4.8	9.50	4.8	0.75	0.20	50	16	25
1/2	12.7/6.4	12.70	6.4	0.75	0.20	25	14	5
3/4	19.1/9.6	19.10	9.5	0.90	0.20	25	12	5
1	25.4/12.7	25.40	12.7	1.10	0.20	25	8	5
1 1/2	38.1/19.0	38.10	19.0	1.10	0.20	25	5	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.
- Clear and Color tubing other than black are not flame retardant, UL or CSA approved.

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