


Q5-3X

RoHS
Compliant**DUAL WALL, ADHESIVE LINED, FLEXIBLE POLYOLEFIN TUBING
SHRINK RATIO 3:1**

Features/Applications

Heat shrinkable dual wall adhesive lined tubing is manufactured by co-extrusion of polyolefin and hot-melt adhesive. It is 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: 80°C
- Full recovery temperature: 120°C
- Approval:  File No. E236137
- 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 (158°C, 168 hrs.)	ASTM D 2671	Remains 70%
Elongation at Break	ASTM D 2671	> 300% (min.)
Elongation at Break After Aging (158°C, 168 hrs.)	ASTM D 2671	100% (min.)
Longitudinal Shrinkage	UL 224	0 to -10%
Heat Shock	250°C, 4 hrs.	No cracking, no dropping
Cold Bend (-30°C, 1hr.)	ASTM D 2671	No cracking
Voltage Withstand (AC 2500V, 60 seconds)	ASTM D 2671	No breakdown
Volume Resistance	ASTM D 876	>10 ¹⁴ 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	3.0/1.0	3.0	1.0	1.00	0.5	200	28	25
3/16	4.8/1.5	4.8	1.5	1.00	0.5	100	24	25
1/4	6.0/2.0	6.0	2.0	1.00	0.5	100	20	25
3/8	9.0/3.0	9.0	3.0	1.40	0.6	50	16	24
1/2	12/4.0	12.0	4.0	1.60	0.8	25	14	5
3/4	19/6.0	19.0	6.0	2.15	0.8	25	12	5
1	24/8.0	24.0	8.0	2.40	1.0	25	8	5
1 1/4	30/10	30.0	10.0	2.40	1.0	25	5	5
1 1/2	40/13	40.0	13.0	2.40	1.0	25	5	5
2	50/19	50.0	19.0	2.40	1.0	25	3	5

Notes:

1. * See Part Number Guide for standard packaging codes.
2. Special sizes, packaging, colors and cut pieces are available upon request.
3. Halogen free heat-shrinkable adhesive-lined tubing is available upon request.