

Q5-4X



**DUAL WALL, ADHESIVE LINED, FLEXIBLE POLYOLEFIN TUBING
SHRINK RATIO 4:1**



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: 80°C
- Full recovery temperature: 125°C
- Approval: File No. E236137, 242540
- 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"
3/16	4/1	4.0	1.0	1.00	0.5	100	24	25
1/4	6/1.5	6.0	1.5	1.00	0.5	100	20	25
5/16	8/2	8.0	2.0	1.00	0.5	50	18	25
1/2	12/3	12.0	3.0	1.40	0.6	25	14	5
5/8	16/4	16.0	4.0	1.60	0.8	25	14	5
1	24/6	24.0	6.0	2.15	0.8	25	12	5
1 1/4	32/8	32.0	8.0	2.40	1.0	25	8	5
2	52/13	52.0	13.0	2.40	1.0	-	5	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.