

# Q5-3XM



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



**Features/Applications**

Manufactured using a specially designed coating technology. Designed to provide both insulation and create a tight seal for protected articles. Suitable for joints and terminations, it can also be used to protect auto wires, shipping cables, bundled wires and metal tubes against water and moisture especially in ship building.

- Operating temperature: -45°C to +125°C
- Minimum shrink temperature: 110°C
- Approval: File No. E236137, 242540, 125°C, 600V
- Standard color: Black
- 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 <sup>14</sup> Ω.cm (min.)
Flammability	SAE-AMS-DTL-23053/5	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.)	Cut to Length Pcs. *(QB) Qty per bag		
						6"	48"	
3/4	19/6	19	6	3.0	1.35	14	5	
1	25/8	25	8	3.0	1.35	12	5	
1 1/4	33/8	33	8	3.0	1.35	5	5	
1 1/2	40/12	40	12	3.0	1.35	5	5	
2	55/16	55	16	3.0	1.35	3	5	
2 1/2	65/19	65	19	3.0	1.35	2	5	
3	75/22	75	22	3.0	1.35	2	5	
3 3/8	85/25	85	25	3.0	1.35	1	5	
4	100/30	100	30	3.0	1.35	1	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.