



## MULTI-WALL POLYOLEFIN **HEAT SHRINKABLE TUBING**

# HS-101-MW

### FEATURES

- 2.5:1 shrink ratio
- Semi-rigid tubing with an adhesive liner
- Provides excellent strain relief and insulation of weak points
- Provides a tough, protective, insulating covering
- Easy to remove
- Resists moisture, chemicals and solvents
- Easily marked
- Meets Military specification

### USES

- Encapsulating electronic components, wire splices and delicate wire terminations to provide moisture resistance and mechanical protection
- Filling surface irregularities of substrates with encapsulant
- Sealing ends of electrical cables and rigid tubing
- Installations requiring re-work, retrofit or repair in the field
- Identifying circuits and components
- Rugged protection against abrasion, vibration and flexing

### SPECIFICATIONS

- AMS 3634
- SAE-AMS-DTL-23053/4 Class 1



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#### TECHNICAL DATA

- Shrink Ratio: 2.5:1
- Minimum Recommended Shrink Temperature: 135°C (275°F)
- Operating Temperature Range: -55°C to 110°C
- Longitudinal Shrinkage: +1 / -10%
- Physical / Electrical / Chemical Properties:
  - Tensile Strength: 1500 psi min.
  - Ultimate Elongation: 200% min.
  - Secant Modulus: (2%) 25,000 psi min.
  - Heat Shock\*: 4 hrs. @ 250°C No dripping, cracking or flowing
  - Cold impact, -55°C, no cracking
  - Volume Resistivity: 10<sup>15</sup> ohm-cm
  - Dielectric Strength: 500 vpm min.
  - Corrosion Resistance: Non-corrosive
  - Fungus Resistance: No growth
  - Water Absorption: 0.5% max.

#### SPECIFICATIONS

- UL 224 (Jacket)
- AMS 3634
- SAE-AMS-DTL-23053/4 Class 1

\* Outer Jacket Only

Size	Expanded I.D. Minimum		Recovered I.D. Maximum		Total Recovered Wall Thickness Nominal		Meltable Recovered Wall Thickness Nominal		Standard Packaging (per box) 4-Foot Lengths	Box Contents
	in.	mm	in.	mm	in.	mm	in.	mm		
1/8	.125	3.18	.023	0.58	.038	0.97	.020	0.51		200'
3/16	.187	4.75	.060	1.52	.043	1.09	.025	0.64		200'
1/4	.250	6.35	.080	2.03	.047	1.19	.027	0.69		100'
3/8	.375	9.53	.130	3.43	.050	1.27	.030	0.76		100'
1/2	.500	12.70	.195	4.95	.055	1.40	.035	0.89		100'
3/4	.750	19.05	.313	7.95	.065	1.65	.040	1.02		60'
1	1.000	25.40	.400	10.16	.075	1.91	.040	1.02		48'

- Standard Color: Black
- Other colors available upon request

All information presented is believed to be reliable and is offered only as a guide to product selection. As each application is unique, Insultab can make no warranties as to the suitability of any products for a particular use. Specifications are subject to change.