



MULTI-WALL POLYOLEFIN **HEAT SHRINKABLE** TUBING

HS-101-MW-2:1

FEATURES

- 2:1 shrink ratio
- Thin wall tubing with a thin, thermoplastic, adhesive liner
- Bonds to a wide variety of plastics, rubbers and metals
- Good mechanical strength and cut-through resistance
- Flexible
- Provides a permanent, waterproof environmental seal
- Flame retardant
- Meets UL and Military specifications



USES

- Providing permanent, non-drying, bendable, water-resistant protection in harsh outdoor environments
- Automotive, truck and marine applications - protecting cable and joint splices and electrical connections from fluids, moisture and corrosion
- Flexible repairs of damaged wire insulation
- Quick and easy one-step electrical insulation and moisture sealing

SPECIFICATIONS

- UL 224 (Jacket)
- MIL-DTL-23053/4 Class 2



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TECHNICAL DATA

- Shrink Ratio: 2:1
- Minimum Recommended Shrink Temperature: 121°C (250°F)
- Operating Temperature Range: -55°C to 110°C
- Longitudinal Shrinkage: +1 / -5%
- Physical / Electrical / Chemical Properties:
 - Specific Gravity: 1.3
 - Tensile Strength: 2100 psi
 - Ultimate Elongation: 450%
 - Secant Modulus: (2%) 17000 psi
 - Heat Aging*: 168 hrs. @ 175° Elongation 175%
 - Heat Shock*: 4 hrs. @ 225°C No dripping, cracking or flowing
 - Low Temperature Flexibility*: 4 hrs. @ -55°C No cracking
 - Flammability: Self-extinguishing
 - Volume Resistivity: 10¹⁴ ohm-cm
 - Dielectric Strength: 800 vpm
 - Corrosion Resistance: Non-corrosive
 - Fungus Resistance: Non-nutrient
 - Water Absorption: 0.3%
 - Fluid Resistance: Excellent

* Outer Jacket Only

Adhesive		
Property	Substrate	Typical Value
Peel Strength, pli	Polyethylene	30
	PVC	10
	Lead	15
	Aluminum	40
Corrosive Effect: Non-corrosive		

Size	Expanded I.D. Minimum		Recovered I.D. Maximum		Total Recovered Wall Thickness Nominal		Meltable Recovered Wall Thickness Nominal		Standard Packaging (per box) Product on Spools		4-Ft Lengths
	in.	mm	in.	mm	in.	mm	in.	mm	ft. / Spool	Ttl ft. / Box	Ttl ft. / Box
1 / 8	.125	3.18	.063	1.60	.027	0.68	.027	0.68	500'	1,500'	1,000'
3 / 16	.187	4.75	.093	2.36	.027	0.68	.027	0.68	250'	750'	1,000'
1 / 4	.250	6.35	.125	3.18	.030	0.76	.030	0.76	200'	600'	800'
3 / 8	.375	9.53	.187	4.75	.031	0.79	.031	0.79	200'	600'	500'
1 / 2	.500	12.70	.250	6.35	.032	0.81	.032	0.81	200'	600'	300'
3 / 4	.750	19.05	.375	9.53	.037	0.94	.037	0.94	200'	600'	180'
1	1.000	25.40	.500	12.70	.046	1.17	.046	1.17	100'	300'	96'
1 1 / 2	1.500	38.10	.750	19.05	.049	1.24	.049	1.24	N/A	N/A	96'

- Standard Color: Black