**USES**

- Providing permanent, non-drying, bendable, water-resistant protection in harsh outdoor environments
- Automotive, truck and marine applications - protecting wire splices, and electrical connections from fluids, moisture and corrosion
- Repairing damaged wire and cable jacketing without removing connectors
- Quick and easy one-step electrical insulation and moisture sealing

**SPECIFICATIONS**

- UL 224 (Jacket)
- SAE-AMS-DTL-23053/4 Class 3
MULTI-WALL POLYOLEFIN HEAT SHRINKABLE TUBING

HS-101-MW-3:1

TECHNICAL DATA

- Shrink Ratio: 3:1
- Minimum Recommended Shrink Temperature: 121°C (250°F)
- Operating Temperature Range: -55°C to 110°C
- Longitudinal Shrinkage: +1 / -15%
- 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°C 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: 10^14 ohm-cm
  Dielectric Strength: 700 vpm
  Corrosion Resistance: Non-corrosive
  Fungus Resistance: Non-nutrient
  Water Absorption: 0.3%
  Fluid Resistance: Excellent

* Outer Jacket Only

SPECIFICATIONS

- UL 224 (Jacket)
- SAE-AMS-DTL-23053/4 Class 3

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<table>
<thead>
<tr>
<th>Adhesive Property</th>
<th>Substrate</th>
<th>Typical Value</th>
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</thead>
<tbody>
<tr>
<td>Peel Strength, pli</td>
<td>Polyethylene</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>PVC</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Lead</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>Aluminum</td>
<td>40</td>
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</tbody>
</table>

Corrosive Effect: Non-corrosive

<table>
<thead>
<tr>
<th>Size</th>
<th>Expanded I.D. Minimum</th>
<th>Recovered I.D. Maximum</th>
<th>Total Recovered Wall Thickness Nominal</th>
<th>Meltable Recovered Wall Thickness Nominal</th>
<th>Standard Packaging (per box) 4-Foot Lengths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8</td>
<td>.125 3.18 in.</td>
<td>.040</td>
<td>1.02</td>
<td>.400</td>
<td>1.02</td>
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<tr>
<td>3/16</td>
<td>.187 4.75 mm</td>
<td>.062</td>
<td>1.57</td>
<td>.640</td>
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<tr>
<td>1/4</td>
<td>.250 6.35 mm</td>
<td>.080</td>
<td>2.03</td>
<td>.840</td>
<td>1.02</td>
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<tr>
<td>3/8</td>
<td>.375 9.53 mm</td>
<td>.120</td>
<td>3.05</td>
<td>1.055</td>
<td>1.40</td>
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<tr>
<td>1/2</td>
<td>.500 12.70 mm</td>
<td>.160</td>
<td>4.06</td>
<td>.870</td>
<td>1.78</td>
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<tr>
<td>3/4</td>
<td>.750 19.05 mm</td>
<td>.250</td>
<td>6.35</td>
<td>.985</td>
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<tr>
<td>1</td>
<td>1.000 25.40 mm</td>
<td>.320</td>
<td>8.13</td>
<td>.100</td>
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<tr>
<td>1 1/2</td>
<td>1.500 38.10 mm</td>
<td>.510</td>
<td>12.95</td>
<td>.100</td>
<td>2.54</td>
</tr>
</tbody>
</table>

- Standard Color: Black

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