PVC HEAT SHRINKABLE TUBING

HS-105

FEATURES

- 2:1 shrink ratio
- Low shrink temperature
- All colors, including clear, are highly flame retardant
- Engineered for total compatibility with PVC jacketed wire and cable
- Resists many chemicals and oils,* chlorine, moisture, salt water and fungus
- Proprietary stabilizers provide outstanding resistance to UV light
- ‘Clear’ is crystal clear, colors are vivid
- High gloss, matte, metallic, neon, pearlescent “designer” colors and custom color formulations are available
- Highly engineered formulation provides superior strength - 30% stronger than polyolefin
- Available in standard sizes - up to extra large 4” diameters
- Meets RoHS, UL, CSA and Military specifications

* including chlorinated cleaners, lubricating grease, penetrating oils, electrical insulation oils, and others.

USES

- Applications requiring smooth, tight-fitting, aesthetic coverings, especially for products with irregular shapes
- Protecting products - outdoors and indoors - from UV light, fading, harsh chemicals, chlorinated cleansers, moisture, salt water, fungus, dirt, abrasion and splintering
- Providing “crystal clear” see-through protection that will not become cloudy, yellow or crack over time
- The preferred choice for use with PVC wire and cable
- Insulation and strain relief of wire harnesses, terminals and wire splices
- Applications requiring outstanding dielectric and mechanical protection without damage to enclosed, underlying or adjacent components

SPECIFICATIONS

- Lead free and RoHS compliant
- UL Subject 224 VW-1
- CSA OFT rated for 600 V
- ASTM D 3150
- SAE-AMS-DTL-23053/2 Class 2
HS-105

 TECHNICAL DATA

- Shrink Ratio: 2:1
- Minimum Recommended Shrink Temperature: 100°C (212°F)
- Operating Temperature Range: -20°C to 105°C
- Longitudinal Shrinkage: Approximately 15%
- Physical / Electrical Properties:
  - Specific Gravity: 1.32
  - Tensile Strength: 3000 psi
  - Ultimate Elongation: 300%
  - Flammability: UL Subject 224 VW-1
  - Brittleness Temperature: -28°C
  - Volume Resistivity: 21.5 X 10^{12}
  - Dielectric Strength: 1,083 vpm
- Storage: Heat sensitive. Store at 70°F or below.

 SPECIFICATIONS

- Lead free and RoHS compliant
- UL Subject 224 VW-1
- CSA OFT rated for 600 V
- ASTM D 3150
- SAE-AMS-DTL-23053/2 Class 2

<table>
<thead>
<tr>
<th>Size</th>
<th>Expanded I.D. Minimum</th>
<th>Recovered I.D. Maximum</th>
<th>Recovered Wall Nominal</th>
<th>Standard Packaging (per box)</th>
<th>Product on Spools</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>in.</td>
<td>mm</td>
<td>in.</td>
<td>mm</td>
<td>in.</td>
</tr>
<tr>
<td>3 / 64</td>
<td>.046</td>
<td>1.17</td>
<td>.023</td>
<td>0.58</td>
<td>.020</td>
</tr>
<tr>
<td>1 / 16</td>
<td>.063</td>
<td>1.60</td>
<td>.032</td>
<td>0.82</td>
<td>.020</td>
</tr>
<tr>
<td>3 / 32</td>
<td>.093</td>
<td>2.36</td>
<td>.046</td>
<td>1.17</td>
<td>.025</td>
</tr>
<tr>
<td>1 / 8</td>
<td>.125</td>
<td>3.18</td>
<td>.063</td>
<td>1.60</td>
<td>.025</td>
</tr>
<tr>
<td>3 / 16</td>
<td>.187</td>
<td>4.75</td>
<td>.093</td>
<td>2.36</td>
<td>.025</td>
</tr>
<tr>
<td>1 / 4</td>
<td>.250</td>
<td>6.35</td>
<td>.125</td>
<td>3.18</td>
<td>.025</td>
</tr>
<tr>
<td>5 / 16</td>
<td>.313</td>
<td>7.94</td>
<td>.157</td>
<td>3.99</td>
<td>.028</td>
</tr>
<tr>
<td>3 / 8</td>
<td>.375</td>
<td>9.53</td>
<td>.187</td>
<td>4.75</td>
<td>.028</td>
</tr>
<tr>
<td>1 / 2</td>
<td>.500</td>
<td>12.70</td>
<td>.250</td>
<td>6.35</td>
<td>.028</td>
</tr>
<tr>
<td>1 / 2</td>
<td>.500</td>
<td>12.70</td>
<td>.250</td>
<td>6.35</td>
<td>.028</td>
</tr>
<tr>
<td>5 / 8</td>
<td>.625</td>
<td>15.88</td>
<td>.313</td>
<td>7.94</td>
<td>.033</td>
</tr>
<tr>
<td>3 / 4</td>
<td>.750</td>
<td>19.05</td>
<td>.375</td>
<td>9.53</td>
<td>.033</td>
</tr>
<tr>
<td>1</td>
<td>1.000</td>
<td>25.40</td>
<td>.500</td>
<td>12.70</td>
<td>.038</td>
</tr>
<tr>
<td>1 1 / 4</td>
<td>1.250</td>
<td>31.75</td>
<td>.625</td>
<td>15.88</td>
<td>.041</td>
</tr>
<tr>
<td>1 1 / 2</td>
<td>1.500</td>
<td>38.10</td>
<td>.750</td>
<td>19.05</td>
<td>.043</td>
</tr>
<tr>
<td>2</td>
<td>2.000</td>
<td>50.80</td>
<td>1.000</td>
<td>25.40</td>
<td>.048</td>
</tr>
<tr>
<td>2 1 / 2</td>
<td>2.500</td>
<td>63.50</td>
<td>1.250</td>
<td>31.75</td>
<td>.058</td>
</tr>
<tr>
<td>3</td>
<td>3.000</td>
<td>76.20</td>
<td>1.500</td>
<td>38.10</td>
<td>.068</td>
</tr>
<tr>
<td>4</td>
<td>4.000</td>
<td>101.60</td>
<td>2.000</td>
<td>50.80</td>
<td>.073</td>
</tr>
</tbody>
</table>

* Pressurized Spools

- Standard Colors: Black, White, Red, Blue, Yellow, Clear

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.