Conductive Adhesive Tape

Product Overview

Electrically conductive foil tape is manufactured by applying a conductive adhesive to one or both surfaces of a metal foil such as copper or aluminium. This is then either self wound or has a separate release liner applied. This is then slit to standard or custom widths.

Applications

- Temporary sealing of gaps for EMC testing
- PCB shields
- Cable shields
- Shielded room seams

Availability

Normally supplied in 33 metre rolls, in standard widths of 13mm & 25mm. However any width from 8mm up to approx 200mm, and 50 metre rolls can be supplied to special order. We can also supply with non-conductive adhesive or without adhesive if required, to special order.

Tapes can be supplied in two versions – Self Wound, without a release liner, or with a paper release liner. Versions having the paper release liner have a suffix -6 added to the part number.

Example

9115-6 = Copper Tape with conductive adhesive & release liner
9115 = Copper Tape without release liner

- Die cut parts
- Kiss cut parts.

Design Considerations

- Consider if it is a temporary or permanent solution
- Galvanic compatibility
- Adhesive strength

Production Capabilities

- Die cutting
- Slitting
- Laminating

<table>
<thead>
<tr>
<th>Material</th>
<th>Part No.</th>
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<tbody>
<tr>
<td>Aluminum Tape with Conductive Adhesive for EMI Shielding</td>
<td>9015</td>
</tr>
<tr>
<td>Copper Tape with Non-Conductive Adhesive</td>
<td>9110</td>
</tr>
<tr>
<td>Copper Tape with Conductive Adhesive for EMI Shielding, Solderable</td>
<td>9115</td>
</tr>
<tr>
<td>Copper Tape with Conductive Adhesive on both sides for EMI Shielding</td>
<td>9116</td>
</tr>
<tr>
<td>Tin-clad Copper Tape with Non-Conductive Adhesive, Solderable</td>
<td>9510</td>
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<tr>
<td>Tin-clad Copper Tape with Conductive Adhesive, Solderable</td>
<td>9515</td>
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</tbody>
</table>
### Conductive Adhesive Tape

**Material 9015: Aluminium Tape with Conductive Adhesive for EMI Shielding**

- **Stocked in 25mm widths**
- **Base thickness**: 0.040mm
- **Total thickness**: 0.065mm
- **Adhesive strength**: 4.5 N/cm
- **Tensile strength**: 25 N/cm
- **Temperature resistance**: 155°C
- **Electrical resistance through adhesive**: 0.003 Ω

**Material 9110: Copper Tape with Non-Conductive Adhesive**

- **Special order only**
- **Base thickness**: 0.035mm
- **Total thickness**: 0.070mm
- **Adhesive strength**: 4.5 N/cm
- **Tensile strength**: 55 N/cm
- **Temperature resistance**: 155°C

**Material 9115: Copper Tape with Conductive Adhesive for EMI Shielding, Solderable**

- **Stocked in 13mm & 25mm widths**
- **Base thickness**: 0.035mm
- **Total thickness**: 0.060mm
- **Adhesive strength**: 4.5 N/cm
- **Tensile strength**: 55 N/cm
- **Temperature resistance**: 155°C
- **Electrical resistance through adhesive**: 0.003 Ω

**Material 9116: Copper Tape with Conductive Adhesive on both sides for EMI Shielding**

- **Special order only**
- **Base thickness**: 0.035mm
- **Total thickness**: 0.060mm
- **Adhesive strength**: 4.5 N/cm
- **Tensile strength**: 40 N/cm

**Material 9510: Tin-clad Copper Tape with Non-Conductive Adhesive, Solderable**

- **Special order only**
- **Base thickness**: 0.035mm
- **Total thickness**: 0.060mm
- **Adhesive strength**: 4.5 N/cm
- **Tensile strength**: 40 N/cm

**Material 9515: Tin-clad Copper Tape with Conductive Adhesive, Solderable**

- **Special order only**
- **Base thickness**: 0.035mm
- **Total thickness**: 0.060mm
- **Adhesive strength**: 4.5 N/cm
- **Tensile strength**: 40 N/cm

**Material 9516: Copper Tape with Conductive Adhesive on both sides for EMI Shielding**

- **Special order only**
- **Base thickness**: 0.035mm
- **Total thickness**: 0.060mm
- **Adhesive strength**: 4.5 N/cm
- **Tensile strength**: 40 N/cm

### Shielding Effectiveness

<table>
<thead>
<tr>
<th>Material</th>
<th>20 MHz</th>
<th>100 MHz</th>
<th>500 MHz</th>
<th>1 GHz</th>
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<tbody>
<tr>
<td>9015</td>
<td>62.5 dB</td>
<td>54 dB</td>
<td>55 dB</td>
<td>52.5 dB</td>
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*Electrical resistance tested according to MIL-STD-202F Method 307, across surface area of 25.4mm² conductive foil tape.*

### Notice

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