

Copper Foil Tape

Copper foil tapes are ideally suited for critical shielding and masking applications. Copper tape has countless applications in electronics from creating low-profile traces for electrical components to RF-shielding.

Copper Foil Tape Specification

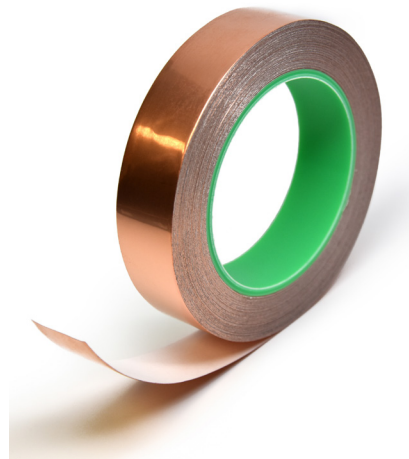
| Properties | ST003CU50 | ST003CU100 |
|----------------------|--|--|
| Material Composition | Copper foil with conductive acrylic PSA | Copper foil with conductive acrylic PSA |
| Surface Resistivity | $\leq 0.05 \Omega/\text{sq}$ | $\leq 0.05 \Omega/\text{sq}$ |
| Resistance | $\leq 0.2 \Omega$ | $\leq 0.2 \Omega$ |
| 180° Peel Adhesion | $> 1.76 \text{ lb/in (0.8 kg/in)}$ | $> 1.76 \text{ lb/in (0.8 kg/in)}$ |
| Service Temperature | $-40^\circ\text{F to } 158^\circ\text{F (-40}^\circ\text{C to } 70^\circ\text{C)}$ | $-40^\circ\text{F to } 158^\circ\text{F (-40}^\circ\text{C to } 70^\circ\text{C)}$ |
| RoHS | Yes | Yes |
| Thickness | $0.0023 \pm .0004 \text{ inch (0.06} \pm .01 \text{ mm)}$ | $0.0023 \pm .0004 \text{ inch (0.06} \pm .01 \text{ mm)}$ |
| Width | 0.50 inch (12.7mm) | 1.00 inch (25.4 mm) |
| Shelf Life | 12 months* | 12 months* |

*Handling and Storage:

- Store in cool, dry conditions at $-73^\circ\text{F} \pm 9^\circ\text{F (23}^\circ\text{C} \pm 5^\circ\text{C)}$ and 60%-70% relative humidity. Avoid exposure to sunlight.

Adhesive:

- Pressure sensitive acrylic adhesive is conductive using nickel and copper.



Applications

- EMI/RFI shielding
- Grounding
- Prototyping
- Design troubleshooting
- Seal enclosure seams
- Cable/connector wrapping to reduce EMI

Benefits

- Double sided conductivity
- Economical