



CONDUCTIVE ADHESIVE TAPE

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

DESIGN CONSIDERATIONS

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

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.

PRODUCTION CAPABILITIES

- Die cutting
- Slitting
- Laminating

Material	Part No.
Aluminium Tape with Conductive Adhesive for EMI Shielding	9015
Copper Tape with Non-Conductive Adhesive	9110
Copper Tape with Conductive Adhesive for EMI Shielding, Solderable	9115
Copper Tape with Conductive Adhesive on both sides for EMI Shielding	9116
Tin-clad Copper Tape with Non-Conductive Adhesive, Solderable	9510
Tin-clad Copper Tape with Conductive Adhesive, Solderable	9515

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 9116: COPPER TAPE WITH CONDUCTIVE ADHESIVE ON BOTH SIDES FOR EMI SHIELDING

Special order only	
Base thickness	0.035mm
Total thickness	0.085mm
Adhesive strength	4.5 N/cm
Tensile strength	55 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

SHIELDING EFFECTIVENESS

20 MHz	100 MHz	500 MHz	1 GHz
62.5 dB	54 dB	55 dB	52.5 dB

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
Temperature resistance	155°C
Electrical resistance through adhesive*	0.003 Ω

SHIELDING EFFECTIVENESS

20 MHz	100 MHz	500 MHz	1 GHz
62.5 dB	58.5 dB	50 dB	61.5 dB

* Electrical resistance tested according to MIL-STD-202F Method 307, across surface area of 25.4mm² conductive foil tape.

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