

1600 Series Conductive Tapes



Conductive foil and fabric tapes (aluminium, copper, tin clad copper and silver-plated nylon overcoated with nickel), the tape has a highly conductive adhesive on one side which is protected by a release liner. The tin clad copper foil tapes are available with a protective mask to allow over painting or powder coating and can withstand normal baking for curing. An electrically conductive transfer tape is available which has a very low resistivity in the Z-axis. The conductive fabric tape has the advantages of being very light weight and does not tear or crack.

Applications

Foil and fabric tapes can be used to shield in a variety of applications such as cabinets/enclosures to provide a conductive surface to make contact with a conductive gasket, to shield cable and cable assemblies by wrapping, taping seams in shielded rooms and enclosures.

Printed circuit manufacture and repair

Quick fix -- got a problem aperture-Tape it.

Availability

Roll lengths are 33 metres.

Widths: 12, 25 & 50mm, custom widths available to special order.

Die cut shapes available to special order.

DIMENSIONS ARE IN MILLIMETRES

Description	Features	Part No.
50 micron electrically conductive aluminium foil shielding tape	Premium dead soft, high strength aluminium foil. Superior adhesion, malleability and adhesive conductivity. Extremely low resistance. Excellent shielding tape.	1688 A1 foil
38 micron electrically conductive, tin clad copper foil shielding tape	Electrolytic grade of dead soft, zero temper copper foil, tin clad on both sides for corrosion resistance. Superior adhesion, malleability and adhesive conductivity. Extremely low resistance. Excellent shielding tape.	1691 Sn/Cu/SN foil
36 micron electrically conductive Copper foil shielding tape	Premium dead soft, zero temper, high tensile copper foil. Superior adhesion, malleability and adhesive conductivity. Extremely low resistance. Excellent shielding tape.	1697 Cu foil
50 micron electrically conductive powder painting foil mask tape	High temperature resistant masked tin-plated copper foil. Recessed removable paint mask is 50 micron, heat stabilized film adhesive designed for easy and clean removability.	1694M Sn/Cu foil Mask
50 micron electrically conductive unsupported transfer adhesive	Electric current is conducted isotropically through the adhesive thickness. Good quick stick and shear properties, extremely low electrical resistance. This adhesive is flexible and offers excellent conformability.	1692 Transfer
150 micron electrically conductive metallised fabric	Silver metallised ripstop nylon cloth, overcoated with nickel for superior corrosion resistance and conductivity. Aggressive acrylic, conductive adhesive. Good balance of peel and shear strength properties.	1689 Ni/Ag Metallised Fabric

Technical Data

Peel adhesion	Shear strength	Elongation tensile strength	Temp range electrical resistance	Shielding effectiveness frequency attenuation	Part No.
10.2 N/2.5cm	15.2Kpa 72 Hrs	4.4% 123 N/2.5cm	-40°C to 121°C 0.009 ohms/2.5cm ²	100 MHz - 60db 400 MHz - 69db 1 GHz - 70db	1688
10.2 N/2.5cm	7.6 Kpa Indefinite	6.0% 163 N/2.5cm	-40°C to 135°C 0.002 ohms/2.5cm ²	100 MHz - 101.5db 400 MHz - 102db 1 GHz - 116db	1691
10.2 N/2.5cm	7.6 Kpa Indefinite	6.0% 163 N/2.5cm	-40°C to 121°C 0.002 ohms/2.5cm ²	100 MHz - 101.5db 400 MHz - 102db 1 GHz - 116db	1697
Foil 20N/2.5cm Mask 5.7N/2.5cm	15.2 Kpa	6.0% 317 N/2.5cm	-46°C to 205°C 0.002 ohms/2.5cm ²	100 MHz - 101.5db 400 MHz - 102db 1 GHz - 116db	1694 M
19.8 N/2.5cm	15.2 Kpa	N/A	-34°C to 107°C 0.005 ohms/2.5cm ²	N/A	1692
20.3 N/2.5cm	7.6 Kpa	27% 195 N/2.5cm	14°C to 149°C 0.009 ohms/2.5cm ²	100 MHz - 69db 400 MHz - 70db 1 GHz - 75db	1689

Ordering information

Width	Length	Part No
12.7	33metres	1688-0127
25.4	33metres	1688-0254
50.0	33metres	1688-0500
12.7	33metres	1691-0127
25.4	33metres	1691-0254
50.0	33metres	1691-0500
12.7	33metres	1697-0127
25.4	33metres	1697-0254
50.0	33metres	1697-0500
12.7	33metres	1694M-0127
25.4	33metres	1694M-0254
50.0	33metres	1694M-0500
12.7	33metres	1692-0127
25.4	33metres	1692-0254
50.0	33metres	1692-0500
12.7	33metres	1689-0127
25.4	33metres	1689-0254
50.0	33metres	1689-0500