

3M 1245 is a premium quality, highly-specialised grade of copper tape designed for electro-magnetic interference (EMI) shielding. This grade is manufactured by 3M using a dead-soft copper foil backing coated on one side with a high strength adhesive.

The copper is then pressed so that it penetrates down through the adhesive. This means that when 3M 1245 is applied direct, physical contact will be maintained between the application surface and the copper foil backing to provide a highly reliable current path.

3M 1245 Embossed Copper Foil Tape is flame retardant and has a total thickness of 0.101mm (0.04mm of which is made up of the copper backing). It bonds well to most surfaces and substrates. The copper foil backing can be soldered and resists oxidation and discolouration.



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Applications

- EMI Shielding
- Grounding equipment
- Creating a conductive path between surfaces and components

Technical Details

Property	Value
Backing	Dead-soft Copper Foil
Adhesive Type	Acrylic Pressure Sensitive Adhesive
Colour	Copper
Backing Thickness	0.04mm
Total Thickness	0.101mm
Breaking Strength ¹	44 N/10mm
Adhesion to Steel ¹	3.8 N/10mm
Electrical Resistance through the Adhesive ²	0.001 ohm
Flame Retardancy ³	Pass

¹ Test Method ASTM D 1000

² MIL-STD-202 Method 307 maintained at 5 psi (3.4 N/cm²) measured over 1 in² surface area. Conductive particles in the adhesive provide the electrical path between the application surface and the foil backing.

³ UL Recognised for Flame Retardancy per UL 510, Product Category OANZ2, File E17385

Important

The values listed here and the information presented should not be treated as a substitute for specific technical advice. We cannot warrant the products performance or suitability for particular applications.

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Available Sizes*Standard Roll Widths and Length*

- 6mm
- 9mm
- 12mm
- 15mm
- 18mm
- 21mm
- 24mm

All rolls are 16.46 Mtrs long.

Custom sizes, lengths and request

We're always happy to help with special requirements. If you require die cut components or a special sized tape version of 3M 1245 Embossed Copper Foil Tape please do let us know. We'll do our very best to help in any way we can.

3M is a registered trademark of 3M.

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