

33-129 COPPER FOIL TAPE 18mm (reel of 50 metres)



Copper foil, 18mm wide, 0.1mm thick (1.8mm²), insulated with 0.05mm thick Melinex tape. Approximate resistance 10mohm/m. They are specifically intended for induction loop systems, where the loop has to pass under carpets or be located elsewhere that is not suited to conventional cable. Two tapes can equally well act however as the two conductors for a loudspeaker cable. Termination is very simple – by folding back the Melinex tape and soldering directly to the foil. To make corners, the tape is simply folded across itself. Supplied on reels of 50 metres.

Conductor

Composition	Cu 99.5 % min
Density	8.9 g/cm ³
Melting Point	1083 °C
Electrical Conductivity	58 m/Ohm mm ² @20 °C (100% IACS)
Electrical Resistivity	0.01741 Ohm mm ² @20 °C
Hardness	50/60 HV
Elongation	50%

Insulation

Density	1.36 g/cc
Tensile	200N/mm ²
Elongation	60%
Temperature Rating	160 °C (Continuous use)
Melting Point	262 °C
Breakdown Voltage	7 kV

Accessories

Two specific installation accessories have been designed for use with these tapes. One is a 50mm wide self-adhesive cloth tape (which adheres well to concrete and stone etc.) printed 'warning-induction loop – do not cut' – to help avoid later difficulties due to damage by carpet fitters etc. The other is a plastic 'double-ramp' extrusion, of very low profile, with self-adhesive sides, to go over the 18mm tape and provide some degree of mechanical protection – for example along walls, skirtings and stair-risers. The adhesive warning tape is supplied on reels of 50 metres, and the plastic extrusion in 3 metre lengths

39-368 COPPER FOIL TAPE PROTECTOR EXTRUSION

39-369 INDUCTION LOOP PRINTED MARKING TAPE