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ITAL SHIELD
PROTEZIONE ELETTROMAGNETICA

Conductive tape

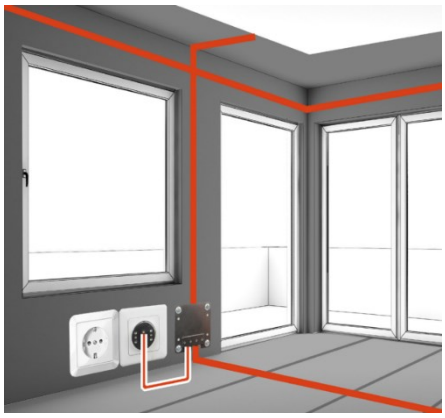
Length: 50 meters – **Width:** 25 millimeters **- Weight:** 100 grams **- Thickness** 0.11 mm **–**

Corrosion resistant - Materials: Polyester, copper, nickel. Backside conductive acrylic glue with high adhesive strength **- Packaging:** 200x200x35 mm **- TARIFF:** 74102100

Why it is essential:

The utilization of a conductive tape, also called "grounding strap", assumes a crucial role in establishing a uniform transfer of static electricity across wall surfaces. This process serves as a conduit for the efficient dissipation of accumulated static electricity which must be discharged into the grounding line, guaranteeing an efficient shielding against the low-frequency electromagnetic fields. Notably, upon the application of our shielding paints, the walls acquire an inherent conductivity, thereby facilitating the dissipation of electromagnetic fields upon contact. However, the presence of edges, corners, angles, recesses, and ledges among walls and roofs, can hinder the optimal flow of conductivity. To overcome this, the correct attachment of the conductive tape becomes essential, ensuring an unimpeded path for discharge to the grounding line for all shielded wall surfaces.

Installation



The glue the tape is electrically conductive, the tapes can therefore be glued underneath as well as on top of the shielding paints that need to be grounded. The acrylic adhesive adheres fairly well – difficult undergrounds (e.g. absorbent, uneven, stained) need to be pretreated with a primer.

Basic procedure: Originating of one central grounding point, all surfaces must be crossed once and interconnected. The band can be glued underneath the baseboard, in case no doors are in the way.

Press the grounding straps firmly down with a plastic scraper so that the glue properly adheres on bumps as well.

Warning:

The connection of the conductive tape with the grounding line, must be implemented using only our grounding plates. The installation of the grounding plates and the connection with the grounding line may only be made by a certified electrician, in accordance with all local laws and regulations: DIN VDE 0100-540, DIN EN 50110-1, DI N VDE 0618-1:1989-08. Non-compliance can result in electric shocks as well as severe injuries resulting in death or fire. (Please see our grounding plates technical sheet).

Ready for 5G

These products are designed to shield against all 5G frequencies. In the shielding diagrams, you will find two gray bars representing the 5G frequency spectrums: FR1 (600 MHz – 6 GHz) and FR2 (24 GHz – 40 GHz).

LET'S LOVE OURSELVES,
BE PROTECTED