

Ground cord installation tips

Coil cord

Wrist band

Common ground point cord

Table mat

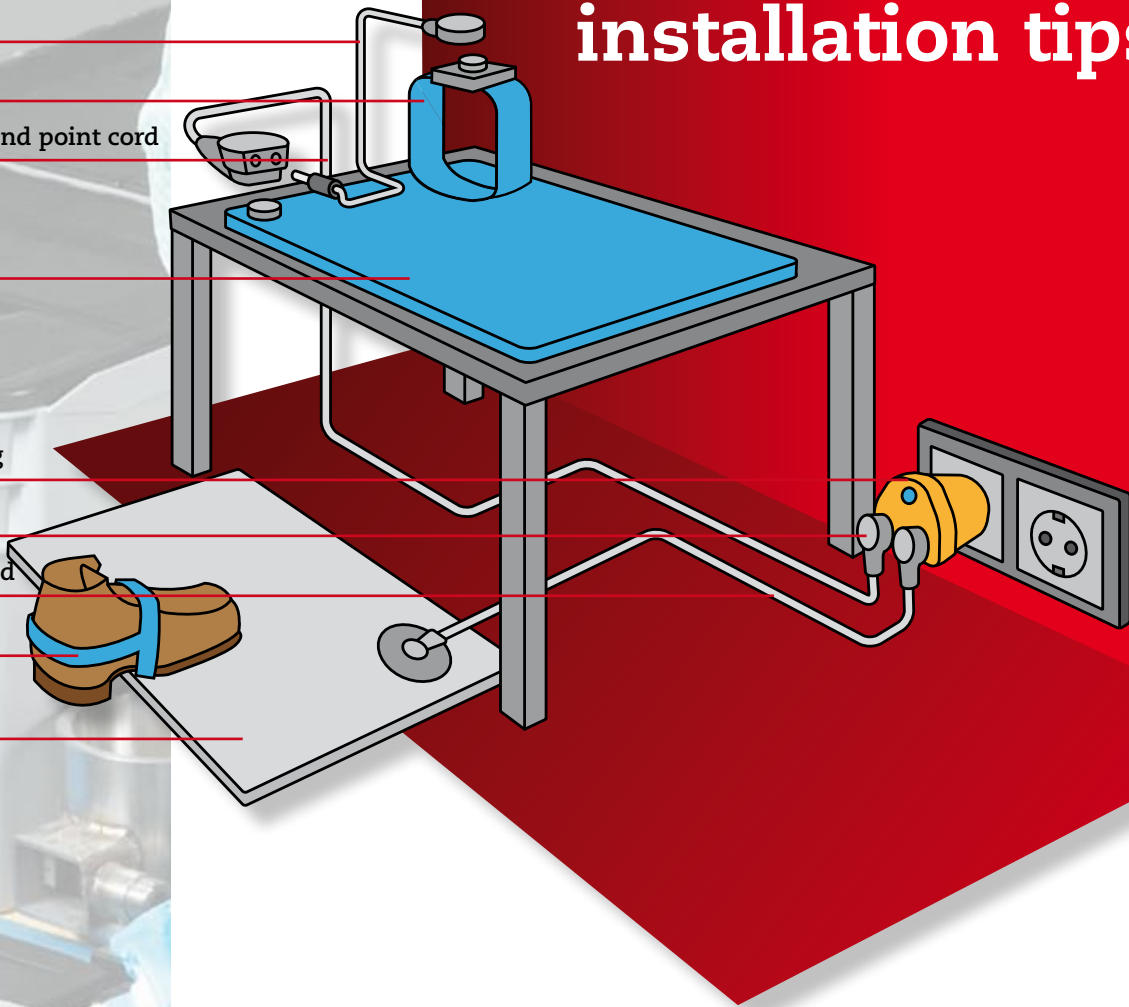
Earth bounding plug

Ground point

Grounding cord

Heel grounder

Floor mat



To achieve an ESD protective work area, personnel including all conductors in the environment, must be grounded to the same electrical ground point, creating a balance between all items and personnel. The use of a ground cord is required to ensure performance of the mat and fulfill warranty requirements.

Handling

For the best results allow the mat to lay flat for about 4 hours at room temperature before installing the ground cord system. This will give the material time to flatten out after being rolled for shipment.

Installation

After the mat is installed, find an area of the mat that will be out of the highest traffic pattern but close to an acceptable ground. For rubber matting references, screw the snap into the rubber mat using a screw driver.

Be sure to use the speed nut on the back of the mat to insure a secure installation of the snap (Fig. 1).

Attach the snap end of the ground cord to the snap installed on the mat. Connect the other end of the cord to a common ground point using the ring terminal or snap it to the earth bounding plug (Fig. 2).

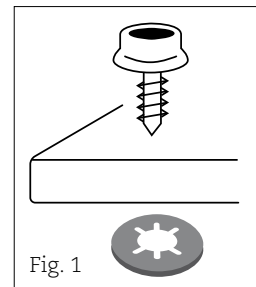


Fig. 1

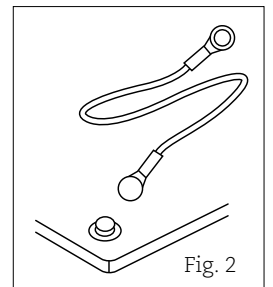


Fig. 2

For optimum electrical performance, the mat should be cleaned regularly with a mild detergent or anti-static cleaner. **DO NOT USE CLEANERS WITH SILICONE.** This will build up a silicone coating on the mat which will cause the surface to become an insulator.

Recommendation

An industry recommendation has been that continuous runs of ESD matting should be grounded at three meters intervals to allow for proper charge decay rates.