

3M™ Conductive Floor Mat for Hard Floors

Conductive Rubber Floor Mat

Homogeneous conductive rubber construction provides resistance to wear, hot solder, oil grease, and solvents. This mat's conductive resistance value ensures rapid discharge from personnel wearing foot grounders. The low profile reduces trip hazard and is preferred for use with rolling carts or chairs. Mat can be reversed for double usage. Compatible with Constant Monitors.

Standards

Meets the requirements of ESD Standard 20.20, EIA 625, MIL-HDBK-263, and MIL-STD-1686.

Specifications

Resistance to Ground point (R_{TG}) 10⁵ ohms
 Resistance Top to Top (R_{TT}) 10⁵ ohms
 Thickness: 0.060 inches
 Color: Black

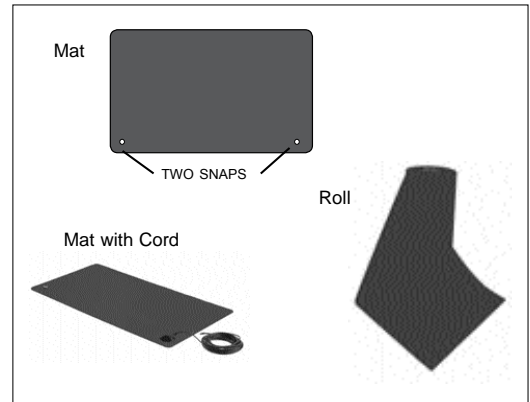
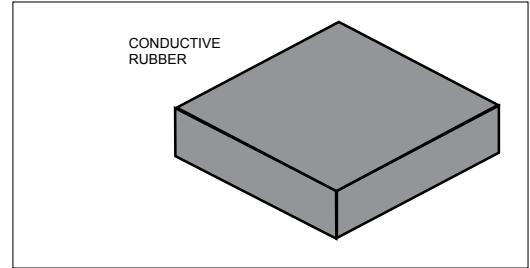
Part Numbers

Mats Includes mat, two snaps, installed.
SIZE BLACK P/N
 48x72 inches COND4872FM
Call for custom sizes.

Mat Kits Includes mat, two snaps, installed, and a 15 foot ground cord.
SIZE BLACK P/N
 48x72 inches COND4872FM-F
Call for custom sizes.

Rolls Includes roll of matting material.
SIZE BLACK P/N
 2x50 feet COND24600FM
 3x50 feet COND36600FM
 4x50 feet COND48600FM

See 3M Data Sheets for these related items:
 3M™ Ground Cords
 3M™ Snaps
 3M™ Snap Tool



R - T - G?

R_{TG} is the resistance from one point on the mat's surface to the mat's ground point, and is the fundamental electrical test for a mat. A proper R_{TG} insures that a mat can conduct charge from a point on the surface to the mat ground point. The guideline in ESD STM-4.1 for R_{TG} is 1x10⁶ to 1x10⁹ ohms. ANSI/ESD S-20.20 has an upper limit of <1 x10⁹ ohms.

R_{TT} is the resistance from one point on the mat's surface to another point. A proper R_{TT} insures the consistency of the mat's resistance properties. The ESD STM-4.1 guideline for R_{TT} is >1x10⁶ ohms.

P R O D U C T D A T A S H E E T

Mat - Conductive Rubber - FLOOR MAT

PRODUCT
 CONDUCTIVE RUBBER FLOOR MAT

ITEM NUMBER
 SEE ABOVE

DATASHEET
 1136-C

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