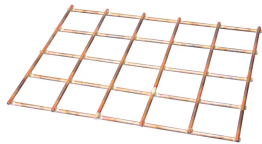


# Ground Mat



Prefabricated ground mats, made of wire mesh, are ideal for systems designed for safety purposes to protect operators against "touch potentials" at manually operated disconnect switches.

## FEATURES

Silver brazed joints (35% silver alloy brazing material) provide strength to resist separation during installation and bear the traffic of heavy vehicles

Conductor spacing available in standard configurations

Option to add center wire into the mat configuration is available

Ground mats are laid flat onto pallets for shipping

## SPECIFICATIONS

| Catalog Number         | MAT                                                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material               | Copper<br>Copper-Bonded Steel                                                                                                                             |
| Length 1 (L1)          | 2400 mm Max                                                                                                                                               |
| Width 1 (W1)           | 1.8 mm Max                                                                                                                                                |
| Grid Spacing (L2 x W2) | 51 mm x 51 mm<br>102 mm x 102 mm<br>152 mm x 152 mm<br>203 mm x 203 mm<br>254 mm x 254 mm<br>305 mm x 305 mm                                              |
| Conductor Size         | #4 Solid Copper<br>#6 Solid Copper<br>#6 Copper-Clad Steel (30% or 40% Conductivity)<br>#8 Solid Copper<br>#8 Copper-Clad Steel (30% or 40% Conductivity) |

| Catalog Number             | MAT                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Center Wire Conductor Size | 1/0 Solid or Stranded<br>2/0 Solid or Stranded<br>4/0 Solid or Stranded<br>250 kcmil Stranded<br>300 kcmil Stranded<br>350 kcmil Stranded<br>500 kcmil Stranded |
| Overhang                   | Standard: Half Conductor Spacing + 2" (51 mm)<br>With Center Wire<br>With Overhanging Center Wire                                                               |

## ADDITIONAL PRODUCT DETAILS

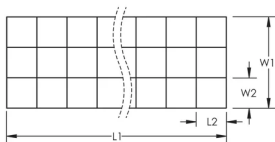
W2 and L2 available in listed Grid Spacing only.

| Net Weight (kg) per Standard Mat                                                                            |                                   |              |           |           |              |           |              |           |              |           |
|-------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------|-----------|-----------|--------------|-----------|--------------|-----------|--------------|-----------|
|                                                                                                             | Grid Spacing                      |              |           |           |              |           |              |           |              |           |
|                                                                                                             | 51 x 51 mm                        | 102 x 102 mm |           |           | 152 x 152 mm |           | 203 x 203 mm |           | 305 x 305 mm |           |
| Conductor Size                                                                                              | Standard Mat Size (square meters) |              |           |           |              |           |              |           |              |           |
|                                                                                                             | 1.2 x 1.2                         | 1.2 x 1.8    | 1.2 x 1.2 | 1.2 x 1.8 | 1.2 x 1.2    | 1.2 x 1.8 | 1.2 x 1.2    | 1.2 x 1.8 | 1.2 x 1.2    | 1.2 x 1.8 |
| #6 Copper-Clad Steel Wire                                                                                   | 6.62 kg                           | 9.84 kg      | 3.45 kg   | 5.08 kg   | 2.40 kg      | 3.49 kg   | 1.86 kg      | 2.72 kg   | 1.32 kg      | 1.91 kg   |
| #8 Copper-Clad Steel Wire                                                                                   | 4.17 kg                           | 6.21 kg      | 2.18 kg   | 3.22 kg   | 1.50 kg      | 2.22 kg   | 1.18 kg      | 1.72 kg   | 0.86 kg      | 1.22 kg   |
| Weights are for copper-clad steel wire. Add 10% for approximate weight of solid copper wire.                |                                   |              |           |           |              |           |              |           |              |           |
| Mats are palletized for shipment. Add 22.67 kg per pallet for gross weight. Maximum of 100 mats per pallet. |                                   |              |           |           |              |           |              |           |              |           |

| MT-2-C-72-B-96-A-96 |                         |                                                                                                                                                                                                                                                                                            |
|---------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MT                  | Mat Designation         |                                                                                                                                                                                                                                                                                            |
| 2                   | Center Wire             | 1: None<br>2: Mat Length<br>3: CWO - Both ends<br>4: CWO - One end                                                                                                                                                                                                                         |
| C                   | Mesh Size (inch x inch) | A: 2" X 2"<br>B: 4" X 4"<br>C: 6" X 6"<br>D: 8" X 8"<br>E: 10 X 10<br>F: 12 X 12<br>G: 18 X 18                                                                                                                                                                                             |
| 72                  | Width (inches max)      |                                                                                                                                                                                                                                                                                            |
| B                   | Wire                    | A: 4 Copper<br>B: 6 Copper<br>C: 6-30% CW<br>D: 6-40% CW<br>E: 8 Copper<br>F: 8-30% CW<br>G: 8-40% CW<br>H: 10 Copper<br>J: 10-30% CW<br>K: 10-40% CW                                                                                                                                      |
| 96                  | Length (inches max)     |                                                                                                                                                                                                                                                                                            |
| A                   | Center Wire Type        | A: None<br>B: 5/16" Rod (1/0" Solid)<br>C: 3/8" Rod (2/0" Solid)<br>D: 7/16" Rod (4/0" Solid)<br>E: 1/2" Rod (250 kcmil)<br>F: 1/0 Concentric<br>G: 2/0 Concentric<br>H: 4/0 Concentric<br>J: 250 Concentric<br>K: 300 Concentric<br>L: 350 Concentric<br>M: 500 Concentric<br>N: #2 Solid |
| 96*                 | CWO (inches max)        |                                                                                                                                                                                                                                                                                            |

\* Empty if none

## DIAGRAMS



## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

⚠ WARNING: This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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