

Grounding Cable and Lug Specifications for EX 8200 series Switches



CAUTION: For installations that require a separate grounding conductor to the chassis, use the protective earthing terminal on the EX 8200 series switch chassis to connect to earth ground. Before switch installation begins, a licensed electrician must attach a cable lug to the grounding cables that you supply. See Connecting Earth Ground to an EX-series Switch. A cable with an incorrectly attached lug can damage the switch.

For installations that require a separate grounding conductor to the chassis, the switch must be adequately grounded before power is connected to ensure proper operation and to meet safety and electromagnetic interference (EMI) requirements. To ground an EX 8200 series switch, connect a grounding cable to earth ground and then attach it to the chassis grounding points.

A pair of threaded inserts (PEM nuts) is provided on the right side towards the top rear corner of the EX 8208 chassis for connecting the switch to earth ground. The grounding points fit UNC 8-32 screws. The grounding points are spaced at 0.625 in. (15.86 mm).

Two pairs of threaded inserts (PEM nuts) are provided on the EX 8216 chassis for connecting the switch to earth ground. The first pair is located on the right side towards the top rear corner of the chassis. The second pair is on the rear of chassis towards the right bottom corner of the chassis. Both pairs of grounding points fit UNC ¼-20 screws. The grounding points are spaced at 0.625 in. (15.86 mm).



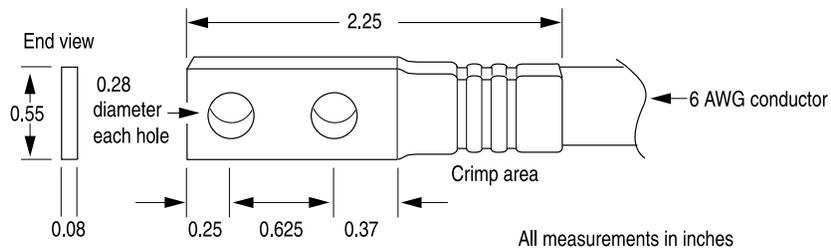
NOTE: EX 8216 switches have two protective earthing terminals provided on the chassis. Only one of these protective earthing terminals needs to be permanently connected to earth. See Chassis Physical Specifications of an EX 8216 Switch for the location of the protective earthing terminals.



NOTE: Grounding is provided to an AC-powered switch when you plug its power supplies into grounded AC power receptacles.

Figure 1 shows the cable lug that attaches to the grounding cable in an EX 8208 switch.

Figure 1: Grounding Cable Lug For an EX 8208 Switch



The grounding cable that you provide for an EX 8208 switch must be 6 AWG (13.3 mm²), minimum 60°C wire, or as permitted by the local code.

The grounding cable that you provide for an EX 8216 switch must be 2 AWG (33.6 mm²), minimum 60°C wire, or as permitted by the local code.



NOTE: Two grounding lugs for an EX 8216 switch are shipped with the chassis.



WARNING: The switch is pluggable type A equipment installed in a restricted-access location. It has a separate protective earthing terminal provided on the chassis in addition to the grounding pin of the power supply cord. This separate protective earthing terminal must be permanently connected to earth ground for installations that require a separate grounding conductor to the chassis.

- Related Topics**
- AC Power Supply in an EX 8200 series Switch
 - DC Power Supply in an EX 8200 series Switch
 - Connecting AC Power to an EX 8200 series Switch
 - Connecting DC Power to an EX 8200 series Switch