
Power and System Grounding

AC Power Connections

AC powered shelves are powered from branch mains installed by a trained service personal. For minimum wire requirements, see the tables below.

United States and Canada

Requirements	VXIP
MIN Wire Size	8 AWG
MIN Voltage Rating	300 V
Insulation	PVC
Conductor	Stranded

Europe

Requirements	VXIP
MIN Wire Size	3 mm
MIN Voltage Rating	300 V
Insulation	PVC
Conductor	Stranded


Israel

VX systems for Israel must use power cords certified by SII (The Standards Institution of Israel) provided locally by NET VX distributors.

System Grounding Connections


The VX900C and VX1800 must be grounded to the building ground network.


For ground wire specifics, see the tables below for the United States and Canada, and for Europe.

 Only qualified service personnel should perform the electrical procedures for installation.

Connecting the Earth Ground

When installing the chassis, connect the earth ground wires from the VX chassis to the facility ground bus.

 You must provide connections between the earth ground connection points on the chassis and the facility ground bus. To avoid a potential electrical hazard, be sure to confirm that the main -48 VDC feeds are physically disconnected from power before installing the wires.

 The colors of the cables shown in illustrations in this section represents standards used North America: Red for -48 V and Black for -48 V RTN.

European wire standards may differ for -48 V and -48 V RTN, such as Blue for -48 V and Red or Black for -48 V RTN.

Use the grommets on the right and left flanges of the rack, as the attachment points for the safety ground wiring described in the following procedure.

Grounding the VX System

1. Locate the ground connection points of the VX device.
2. For VX1800, attach 12 AWG copper wire and a 2-hole UL listed lug to the grounding connection.
Use Panduit LCD8-10A, or equivalent.

For VX900C, attach 12 AWG copper wire and a 1-hole UL listed lug to the grounding connection.
Use Panduit LCD8-10A, or equivalent.

3. Attach the ground wire to the rack.

United States and Canada VX Grounding Connections

Requirements	VXIP
MIN Wire Size	8 AWG
MIN Voltage Rating	300 V
Conductor	Stranded

Europe VX Grounding Connections

Requirements	VXIP
MIN Wire Size	3 mm
MIN Voltage Rating	300 V
Conductor	Stranded