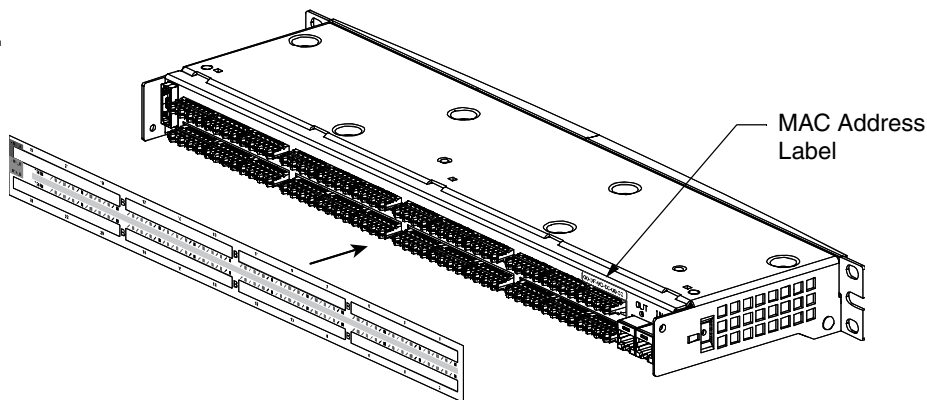
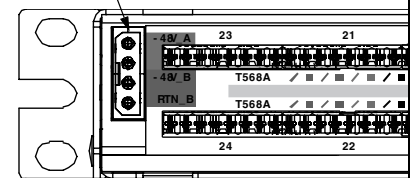


1.



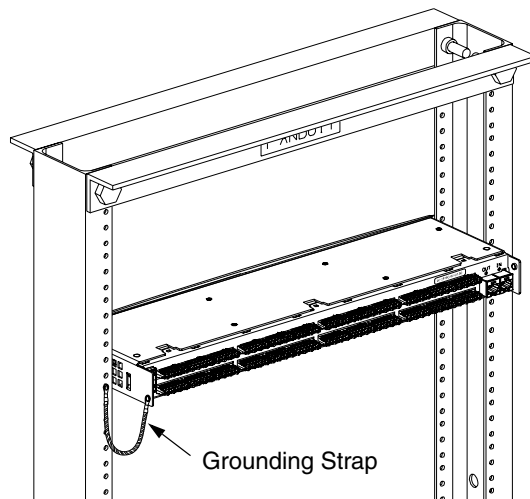
Power Connector



Record the MAC address on the Panduit DPoE Installation Worksheet (Panduit part no. PN377*). Install the wiring label on the back of the panel over the rows of connector blocks. Be sure to install the label with the proper wiring color code facing out and ensure that the power scheme on the label is in line with the power connector on the panel.

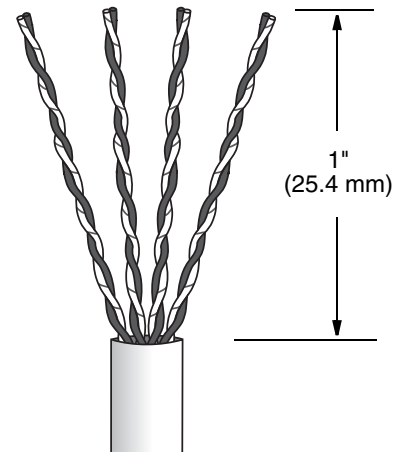
* Denotes revision letter.

2.



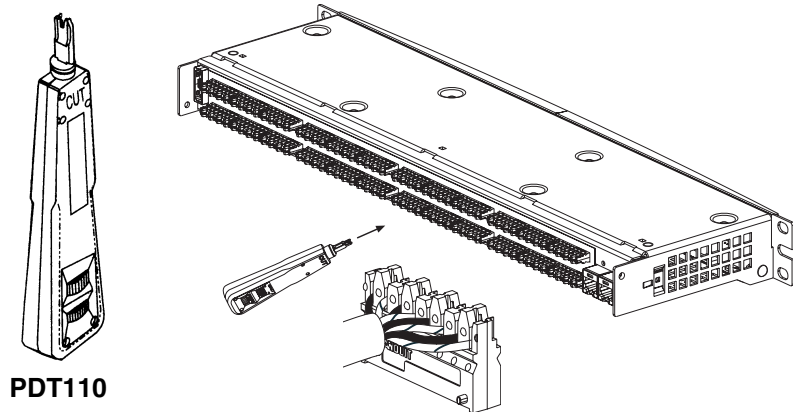
Using a screw from the metric thread screw set denoted by "01881-39," attach the green and yellow striped grounding strap to the panel via the hole nearest the power connector. Next, install the panel onto a grounded rack using the appropriate screw set provided which ensures proper grounding between the panel and the rack. Finally, attach the loose end of the grounding strap to the rack within the same position as the panel.

3.



Remove 1" (25.4mm) of cable jacket. **Caution: Do not damage conductors.** Fan out all four twisted pairs in the specified wiring sequence provided in the following section.

4.

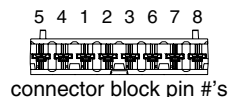


PDT110

COLOR-CODED WIRE POSITIONS

(For Reference Only)

Pin outs	EIA/TIA 568A	Pin outs	EIA/TIA 568B
5	WHITE/BLUE	5	WHITE/BLUE
4	BLUE	4	BLUE
1	WHITE/GREEN	1	WHITE/ORANGE
2	GREEN	2	ORANGE
3	WHITE/ORANGE	3	WHITE/GREEN
6	ORANGE	6	GREEN
7	WHITE/BROWN	7	WHITE/BROWN
8	BROWN	8	BROWN



connector block pin #'s

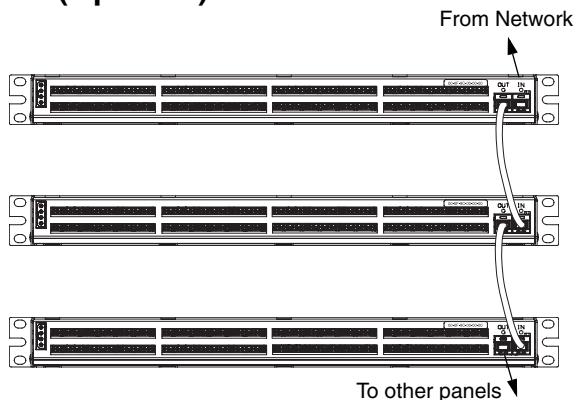
Place conductors into the punchdown slots in the appropriate wiring sequence. In order to support pre-standard Cisco Inline Power powered devices, EIA/TIA 568A or EIA/TIA 568B configured data pairs, wiring sequence must be used at both ends of the horizontal cable (at this panel & at the wall outlet). For best performance, the cable pair twists should be maintained as close as possible to the point of termination. Dress the cables between the rows of connector blocks and punchdown the conductors with a 110 Punchdown Tool (Panduit part no. PDT110). Record port information on the Panduit DPoE Installation Worksheet.

INSTALLATION ADVISORY:

- Ensure that cabling to powered devices is protected from inductive coupling from nearby power cables and other sources.
- Ensure that powered devices are properly installed and grounded (according to manufacturer's recommendations), and all the cabling and connections are isolated from external surges.
- Observe precautions for handling electrostatic sensitive electronic devices when installing this product. Ensure you are properly grounded with a wrist strap or equivalent while making connections to the 110 punchdown terminals on the rear of the product. Never make any connections to the 110 punchdown terminals when power is applied to the product.

NOTE: When installing cabling and making connections to the DPoE panel, follow all local standards as well as the applicable TIA-942 standards and IEEE 802.3 (Ethernet) standards.

5. (Optional)

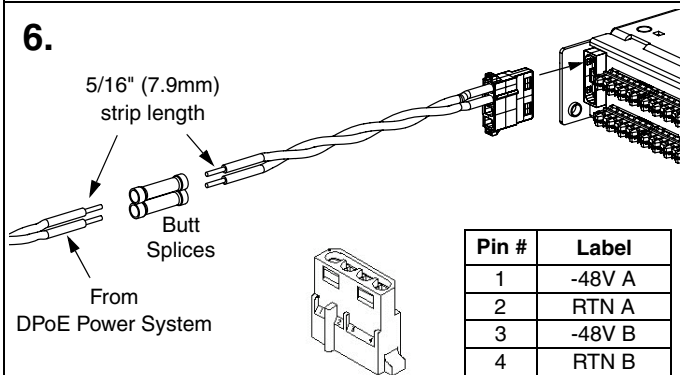


To use the optional remote management interface, install the DPoE Element Manager software, included on the enclosed CD, on a computer that supports network communication to the panel. Using a patch cord, connect the "IN" management port on the rear of the panel to an Ethernet switch or directly to a computer on which the Panduit Element Manager is installed. A DHCP server must be on the network. In the case where multiple panels are to be remotely managed, simply daisy chain the panels by connecting the "OUT" management port to the "IN" port on the subsequent panel. The latest version of software products may be downloaded at www.panduit.com/managednetworksolutions

Notes:

1. DPoE Power Patch Panels cannot be used for analog or non-Ethernet devices.
2. DPoE 1Gig Patch Panels can terminate most 22-24 AWG solid or stranded IWC wire with a .050" (1.27mm) max. o.d., either PVC or Plenum rated.
3. Panduit StructuredGround Kits for Data Center Rack Grounding can be used to properly ground Panduit NetRack Rack Systems and racks from most other manufacturers.
4. Never install wire into a slot previously used for a larger gauge wire.
5. Never touch uninsulated communications wiring or terminals unless the communication line has been disconnected at the network interface.
6. Only trained and qualified service personnel should install or service DPoE 1Gig Patch Panels.
7. Before installing or servicing DPoE 1Gig Patch Panels or communication wiring, be aware of the hazards with the associated electrical circuitry.
8. Butt splice, Panduit part no. BSV14X, supports 14-16 AWG solid or stranded wire and may be crimped with Panduit Crimping Tool CT-100, CT-1550 or CT-1551.
9. An unlimited number of DPoE24U1XG panels may be connected together.

6.



If using the DPOEPWRB120Y, simply mate the attached power connector to the panel and then connect AC power to the DPOEPWRB120Y. If using the rack mounted DPoE Power System, first remove power from the pair of wires that will provide power to the panel by removing the appropriate fuse in the DPOEPWRU. A 10' power harness is provided. If 10' is not long enough to reach the DPoE Power System, use the butt splice connectors provided; crimp the appropriate polarity wire to the power harness wires (see wiring label and table above). Next, mate the attached power connector to the rear of the panel and screw down the wires to the appropriate port on the DPoE Power System. Then, insert the appropriate fuse for that port on the DPoE Power System.

Pin #	Label
1	-48V A
2	RTN A
3	-48V B
4	RTN B

WARNINGS: Proper fuse (7.5 Amp max) must be used in power source to protect wiring and DPoE panel. If a non-Panduit power source is used, it must:

- Provide over current protection of source at maximum 7.5 Amps
- Provide an isolated (SELV) source per National requirements
- Be certified for use with ITE equipment per National requirement
- Provide a nominal 49.5Vdc source to the DPoE Panel (min. 44Vdc and max 57Vdc)
- Have an output current rating sufficient for powering DPoE Panel and associated loads (max possible wattage needed per DPoE panel at input of 49.5Vdc is 500W)

DPoE European (EMC) Warning: Product is not intended for use in a residential environment. Use of this product in residential areas may cause electromagnetic interference.

For Instructions in Local Languages
and Technical Support:

www.panduit.com/resources/install_maintain.asp

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