

5. Attach the green ground wire to the metal chassis:
 - a) Remove a screw on the metal chassis that is within reach of the ground wire.
 - b) Remove any paint around the screw hole.
 - c) Install screw with ground wire under it.
6. Plug the long end of the CAT6 Protected Patch Cord into the data jack.
7. Apply power to the protected equipment.

NOTE

Units with clamp voltage designations of E, T, and A can be installed in either direction of the incoming cable; however, we recommend that the end with the ground wire be positioned nearest the equipment being protected. The wire gauges are 26 through 14 AWG; any wire gauge in between will work with the protector. Units with clamp voltage designations of B and G are marked “Line” and “Equip.” Make sure that the “Equip” is connected to the equipment being protected. C5 products are designed to protect C5 networks.

CLAMP VOLTAGE OPTIONS

<u>Clamp Voltage</u>	<u>Clamp Code</u>
7.5 V	E
18 V	T
27 V	A
60 V	B, fused
240 V	G, fused

Troubleshooting

If you're experiencing problems with a new installation, ask yourself the following:

- Is the equipment plugged in and turned on at both ends?
- Is this the right protector for the application?
- Are all cables firmly attached?
- Does the system work if the protector is bypassed? If the system operates when the protector is bypassed and/or you have ruled out all of the above, please contact Technical Support.

If you're having problems with an existing installation:

- Make sure the equipment is turned on.
- Inspect all connections.
- Remove and bypass all protection devices on that line and verify proper operation. If the system comes back online without the protectors installed, chances are that one or all of the protectors have been damaged by an excessive surge. Replace as soon as possible with a new protector. We don't advise running the system with protection devices removed.

TRADEMARKS USED IN THIS MANUAL

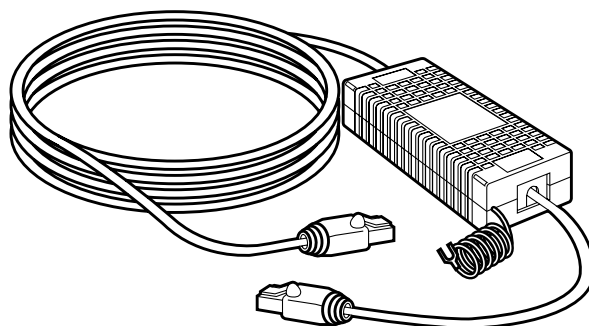
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CAT6 Protected Patch Cord



IMPORTANT

1. Read and understand all instructions before installation.
2. Never install products during a lightning storm.
3. Intended for indoor use only.
4. This patch cord should be used as secondary surge protection at the equipment level behind a primary protection environment (see UL[®] 497A). Do not use this device as primary protection.
5. To best protect your equipment, always keep the cord length between the protector and equipment to a minimum, not to exceed 10 inches (25.4 cm).
6. The cord's ground wire must be attached directly to the metal chassis of the equipment to be protected. The length of the ground wire shouldn't exceed 11" (27.9 cm).
7. Verify that your equipment's metal chassis is connected to ground via a properly grounded AC electrical outlet.
8. Most installations require one protector at each end of the data line.
9. This protector has been designed to reset after each surge. In the rare event that the protector encounters a surge greater than its maximum rating, the protector will fail-safe before allowing damage to occur to your communication port.
10. This product shouldn't be used as protection against a direct lightning strike to your facility. Consult a licensed electrician to ensure that proper lightning-rod protection and grounding equipment are installed per National Electrical Code.

Installation

1. Remove power to the unprotected equipment.
2. Disconnect the incoming data line from the equipment.
3. Verify that the equipment chassis is attached through the power cord to an earth ground.
4. Plug the short end of the CAT6 Protected Patch Cord into the device to be protected.

(continued on the back of this page)

**CUSTOMER
SUPPORT
INFORMATION**

Order toll-free in the U.S.: Call **877-877-BBOX** (outside U.S. call **724-746-5500**)
FREE technical support 24 hours a day, 7 days a week: Call **724-746-5500** or fax **724-746-0746**
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