CORNING

Hardware Ground Kit (HDWR-GRND-KIT)

P/N 001-281
Issue 4

1. Components

The hardware ground kit consists of:

- (2) Ground wires
- (2) Mounting screws
- (1) Bus bar
- (1) Ground clamp
- (2) Nuts

2. Grounding Armored Cable

Step 1: Use a cable knife to score the outer sheath of the armored cable approximately 1 in (2.5 mm) long on the side of the cable opposite from where the clamp will be installed. Flex the sheath to split it.

NOTE: *Make sure you do not damage the inner sheath.*

Step 2: Position the base of the grounding clamp under the armor. The stops of the clamp should just touch the outside of the armor and sheath. Tap the sheath above the ground base to set the teeth.

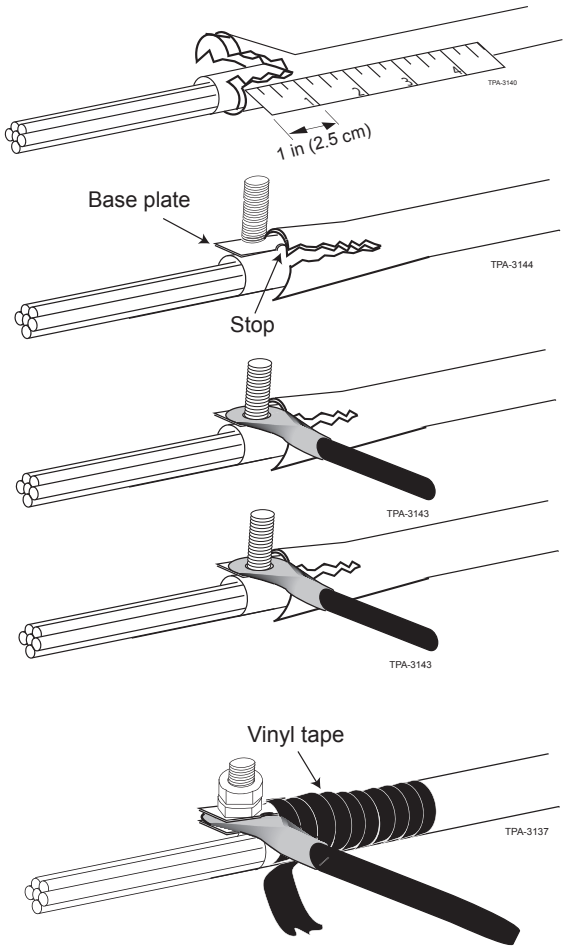
Step 3: Place the ring terminal on the ground wire over the stud with the ground wire jumper perpendicular to the cable.

Step 4: Position the top plate over the ring terminal and outer sheath. Secure with the nuts provided using a 3/8-in terminal tool.

NOTE: *Do not tap on the top plate. Additional ground wires may be placed between the two nuts.*

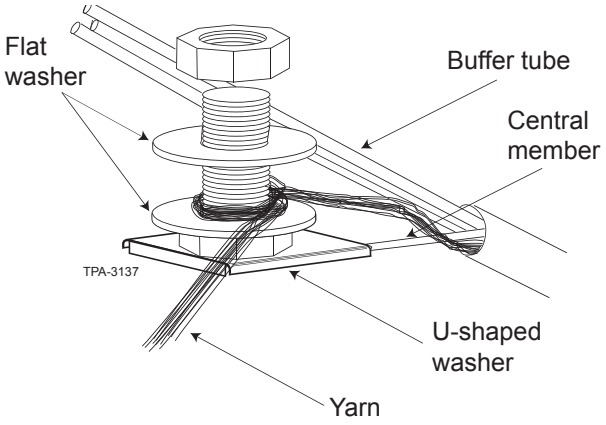
Step 5: Cover the completed assembly and the slit in the cable with a few wraps of vinyl tape.

Step 6: Install the cable into the unit as shown in the cabinet-specific instructions provided.



3. Central Member Grounding

There is some style variation between central member grounding/strain-relief hardware among Corning Optical Communications products. Most styles consist of an upside down U-shaped washer and a screw/bolt.



- In cases where there are two flat washers back-to-back secured by a nut, the ground wire jumper ring connector goes between the two washers.
- In all cases, the ring connector must go over the screw/bolt and be secured, while the U-shaped washer maintains contact with the central member.
- Refer to the instruction provided with your particular unit for more information.

4. Ground Bus Installation

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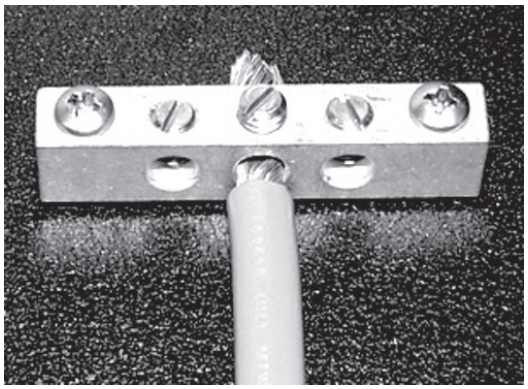
Step 1: Secure the ground bus to the unit using the two screws provided unless stated otherwise in the hardware-specific instruction.

Step 2: Determine how the building/central ground wire (not provided) will enter the ground bus. The ground wire will be routed along the same path as the incoming/feeder/distribution cable unless stated otherwise in the hardware-specific instruction.

Step 3: Cut the wire 3/4 in longer than the distance to the ground bus. Strip back the sheath 3/4 in.

Step 4: Insert the stripped ground cable end into the ground bus and secure using the retention screws in the bus.

Step 5: Repeat procedure for ground wire jumpers.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