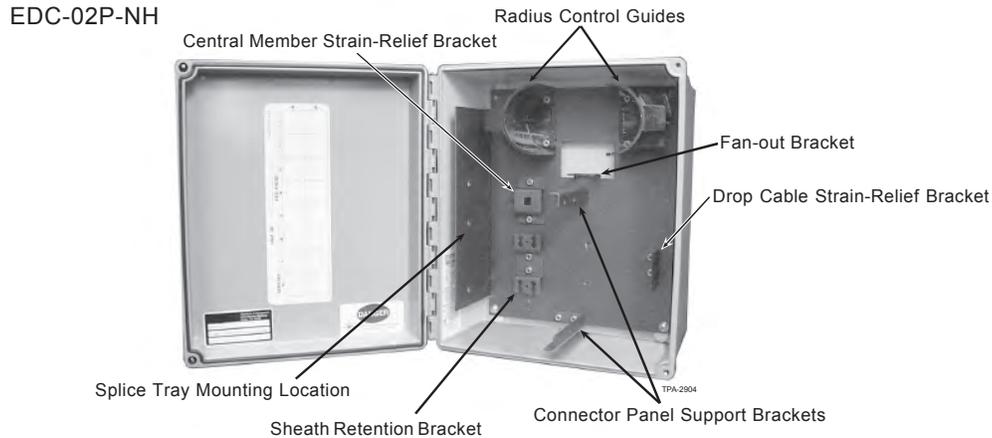


- Visit <http://www.corning.com/cablesystems/videos> for additional information and videos.
- Visit [www.corning.com/cablesystems/safety](http://www.corning.com/cablesystems/safety) for full safety precautions.



## 1. CARTON CONTENTS

- Environmental Distribution Center (EDC) Housing with no holes
- Hardware Kit containing:
  - (1) Unit identification label
  - (1) Label, 2 x 12 position
  - (2) 8-32 x 0.5 inch Phillips-head screws
  - (4) 12-24 x 0.5 inch Phillips-head screws
  - (2) 6-32 Locknuts
  - (1) M6 washer
  - (2) U-shaped washers
  - (1) Quick Release Latch Kit
  - (2 feet) Spiral wrap
  - (4) Cable ties
  - (1) Self-sticking wire clip
  - (2) Self-sticking routing clips
  - (1) Universal Cable Clamp (UCC) kit
  - (1) UCC bracket
  - (1) Buffer tube fan-out bracket

## 2. TOOLS REQUIRED

- Phillips-head screwdriver
- Slotted screwdriver
- 5/16-inch (8 mm) socket or wrench
- Hole-Saw (2 3/8-inch or 1 3/8-inch)
- Tape measure
- Side cutters

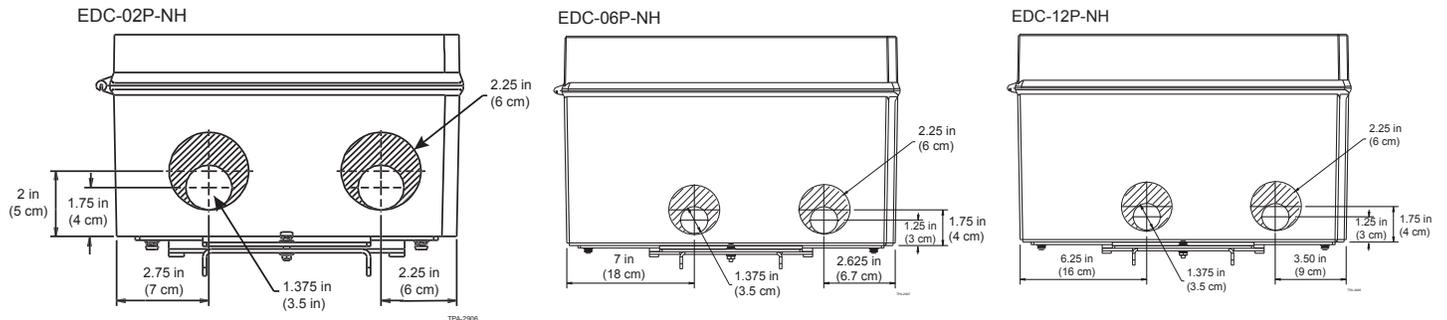
## 3. ADDITIONAL MATERIALS (PURCHASED SEPARATELY)

May or may not be required depending on your application.

- Connector Panels (CCH-CPXX-YY)
- (2) Cable Entry Port Fittings (EDC-2EC-KIT or EDC-2N4-KIT (NEMA 4) or EDC-2WT-KIT)
- Mounting hardware appropriate for your installation
- Grounding kit (HDWR-GRND-KIT) for armored cable
- Buffer Tube Fan-Out kits (FAN-OD25-YY)
- Pigtailed Panels (CCH-CPXX-YY-P03ZZ)
- Pigtailed Modules (CCH-RMXX-YY-P03ZZ)
- Splice Trays (2R or 4R for EDC-02P, 2S or 4S for others)

## 4. HOUSING PREPARATION

- Step 1:** Open housing door with slotted screwdriver.
- Step 2:** Remove base plate from housing with Phillips-head screwdriver.
- Step 3:** Mark and drill holes in bottom of housing according to drawings.



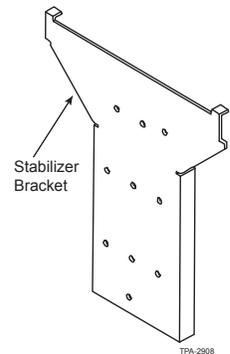
- Step 4:** Install Cable Entry Port Fittings according to the instructions provided with them.
- Step 5:** Reinstall the base plate with the Phillips-head screwdriver.
- Step 6:** To make cable installation easier in the -06P and the -12P units, remove the splice tray holder by sliding it towards the top of the housing and lifting it out.

## 5. MOUNT THE HOUSING TO A WALL OR POLE

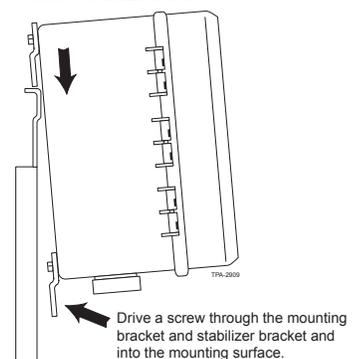
- Step 1:** Remove the stabilizer bracket.

**NOTE:** If you will be mounting the EDC without the stabilizer bracket, discard it at this time. Rotate the top bracket of the EDC-02P-NH (not necessary on -06P and -12P) so the elliptical hole is exposed. Position the housing as desired and secure using ¼-inch screws in the top and bottom mounting brackets.

- Step 2:** Drive ¼-inch screws or wall anchors through the stabilizer bracket and into the mounting surface. Do not install a screw in the bottom hole of the stabilizer bracket at this time.
- Step 3:** Hang the EDC on the stabilizer bracket, making sure that the top mounting bracket is resting between the two tabs on the stabilizer bracket.
- Step 4:** Line up the elliptical hole in the bottom mounting bracket with the bottom hole in the stabilizer bracket and drive a ¼-inch screw or wall anchor through the brackets and into the mounting surface.



Hang the unit over the mounted stabilizer bracket.



## 6. CABLE PREPARATION

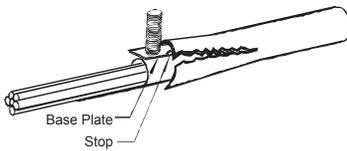
- Step 1:** Route the feeder cable through the fitting on the left at the base of the unit.
- Step 2:** Access the cable according to the following distances leaving 2.5 inches of central member and 4 inches of yarn, if present:
- EDC-02P-NH: 6 ft (2 m)
  - EDC-06P-NH: 10 ft (3 m)
  - EDC-12P-NH: 15 ft (5 m)

**Step 3:** Ground armored cable using (1) HDWR-GRND-KIT per cable.

1. Cut a slit into opposite sides of the outer sheath and armor about 2 in (5 cm). To do this, score the armor with a cable knife (being careful not to damage the inner sheath) and split the sheath by flexing it.

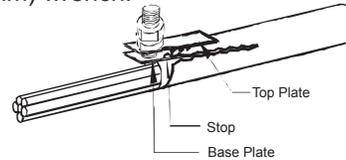


2. Position the grounding clamp base plate under the armor. The stops of the clamp should just touch the outside of the armor and sheath. Tap the sheath above the ground clamp base to set the teeth.

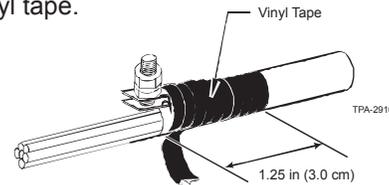


3. Position the top plate and lock nut on the outer sheath over the base plate. Tighten with a 3/8 in (10 mm) wrench so that the teeth on the upper plate are driven into the sheath.

Tighten the assembly with a 3/8 in (10 mm) wrench.

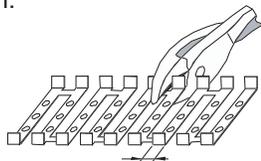


4. Wrap the grounding connector and split portion of the sheath with a few wraps of vinyl tape.



**Step 4:** Install a sheath retention clamp.

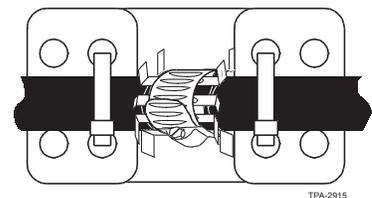
1. Wrap a section of clamp material around the cable to determine the length needed for one full wrap.
2. Use side cutter to cut the clamp material so that it ends up one section shorter than this length.



3. Place the cut length of clamp material 1.25 in (3.0 cm) from the end of the cable sheath.
4. Install a hose clamp over it, covering as many holes as possible. Hand tighten with a slotted screwdriver or a 5/8-in driver.
5. Wrap the sheath retention assembly with vinyl tape. (Shown without vinyl tape for clarity)



**Step 5:** Secure the cable to the sheath retention bracket with two cable ties. Make sure the tabs on the clamp material are in the recessed section of the bracket.

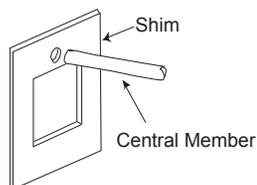


## 7. STRENGTH MEMBER STRAIN-RELIEF

**Step 1:** Test central member for thickness.

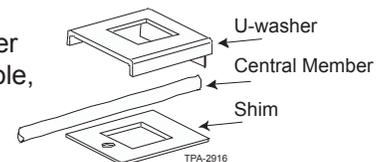
Insert the central member into the hole in the shim.

If the central member passes through the hole, the shim is required to secure the central member.

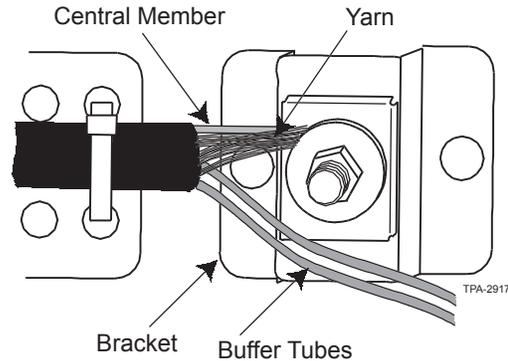
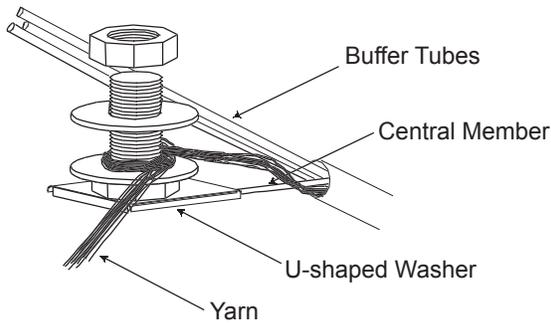


Position the shim between the U-shape washer and the bracket.

If the central member does not fit in the hole, discard the shim.

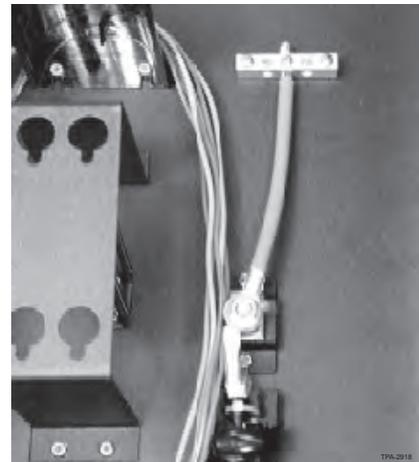


- Step 2:** Remove the top nut and the two washers from the bracket.
- Step 3:** Loosen the remaining nut.
- Step 4:** Insert central member of the cable between the U-shaped washer and bracket.
  - Arrange the buffer tubes to ensure clearance around the central member clamp assembly.
- Step 5:** Retighten the nut and reinstall the two flat washers.
- Step 6:** Loosely install the other hex nut.
- Step 7:** Wrap the yarn around the bolt in a clockwise direction between the flat washers.
- Step 8:** Tighten the second hex nut.
- Step 9:** Trim off the excess yarn.



## 8. COMPLETE GROUNDING (WITH HDWR-GRND-KIT)

Mount grounding bus to the back plate with the provided screws and connect grounding wires as shown.



## 9. CABLE ROUTING



**CAUTION:** Fiber optic cable is sensitive to excessive pulling, bending, and crushing forces. Consult the cable specification sheet for the cable you are installing. Do not bend the cable more sharply than the minimum recommended bend radius. Do not apply more pulling force to the cable than specified. Do not crush the cable or allow it to kink. Doing so may cause damage that can alter the transmission characteristics of the cable; the cable may have to be replaced.

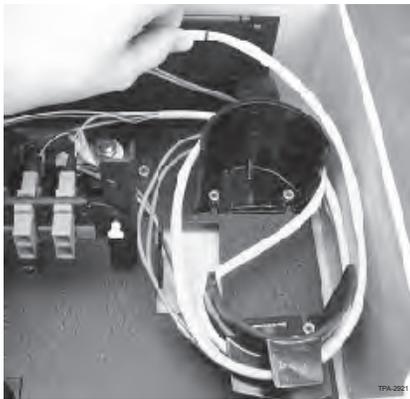
### 9.1. For Splicing to Pigtailed Panels or Modules

- Step 1:** Install Pigtailed Panel or Module into connector panel bracket.
- Step 2:** Route buffer tube(s) and pigtail(s) in a counterclockwise direction around the radius guides with one loop per section, starting with the back section.
  - TWO complete loops for EDC-02P-NH
  - THREE complete loops for EDC-06/12P-NH

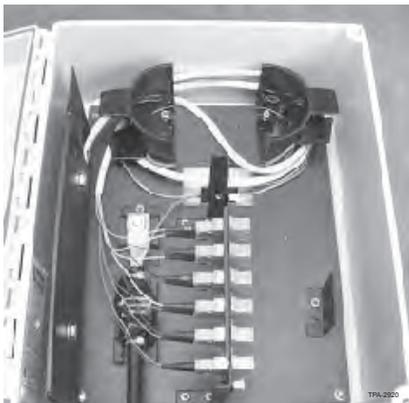
- Step 3:** Temporarily reinstall splice tray holder for EDC-06/12P-NH. For all housings, mount one splice tray in their appropriate location.
- Step 4:** Mark the buffer tube(s) and pigtail(s)  $\frac{3}{4}$  inch from where they will enter the splice tray (EDC-02P-NH shown).
- Step 5:** Unwind buffer tube(s) and pigtail(s) from the radius guides and bring them as pairs to a convenient splicing location.
- Step 6:** Access the buffer tube(s) and pigtail(s) to the mark and secure with cable ties to the splice tray.
  - Follow instructions included in the splice tray for routing.
- Step 7:** Once splicing is complete follow the guidelines below:

### EDC-02P-NH

- Step 1:** Route the buffer tube(s) and pigtail(s) around the radius control guides.



- Step 2:** Secure the tray to the wall as shown. Discard spacers depending on tray type..



### EDC-06/12P-NH

- Step 1:** Place completed tray(s) into the holder and secure with the hook-and-loop strap (make sure the buffer tube(s) and pigtail(s) are routed around the radius control guides as shown).



- Step 2:** Starting in the bottom section, route buffer tube(s) and pigtail(s) starting at the furthest point from the tray counterclockwise around the radius guides.

- Step 3:** At the third loop, reinstall the splice tray holder.

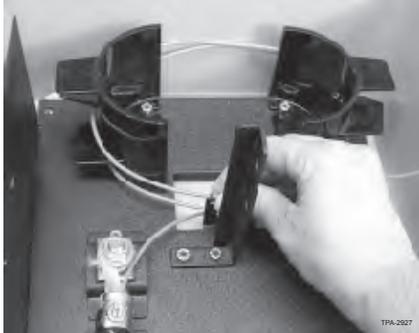


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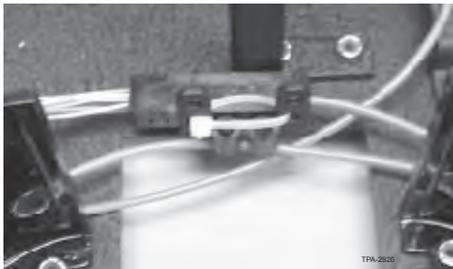
## 9.2. For Buffer Tube Fan-Out Kits

### EDC-02P-NH

- Step 1:** Route the buffer tube(s) twice around the radius guides in a counterclockwise direction.
- Step 2:** Mark the location of the mounting bracket on the tube(s).



- Step 3:** Install fan-out kit(s) and connectors.
- Step 4:** Re-route the buffer tube(s) around the radius guides and secure the fan-out bodies with a cable tie.



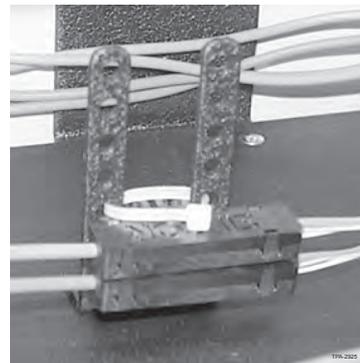
**NOTE:** For both applications, route the connectorized fan-out tubing around the radius control guides and plug connectors into the appropriate connector panel.

### EDC-06/12P-NH

- Step 1:** Remove splice tray holder bracket.
- Step 2:** Route the buffer tube(s) three times around the radius guides in a counterclockwise direction.
- Step 3:** Mark the location of the mounting bracket on the tube(s).



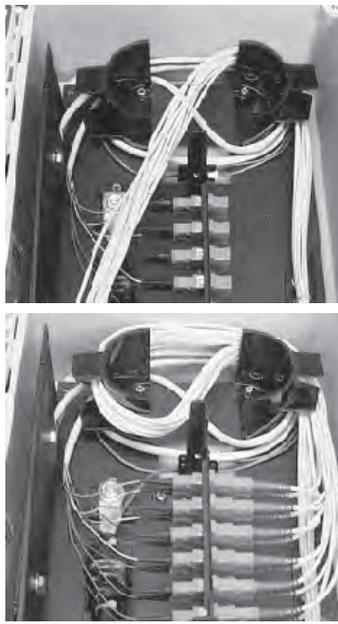
- Step 4:** Install fan-out kit(s) and connectors.
- Step 5:** Re-route the buffer tube(s) around the radius guides and secure the fan-outs with a cable tie.



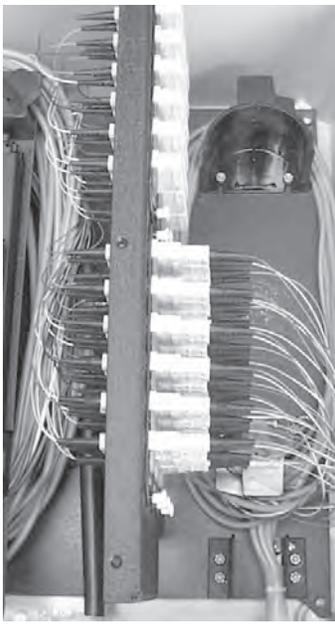
## 10. INSTALLING DROP CABLE

- Step 1:** Cut subunit lengths to 51 in (130 cm).
- Step 2:** Feed cable through fitting in base.
- Step 3:** If no central member is present, loosely secure cable to the drop cable strain-relief bracket with a cable tie. If there is a central member present, remove the bracket and strain-relieve as described in Section 7.
- Step 4:** Route the cable through the radius guides/routing clips.
- Step 5:** Clean and mate the connectors and adapters.

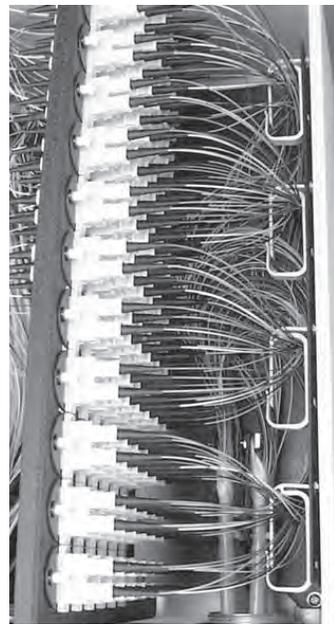
EDC-02P-NH



EDC-06P-NH



EDC-12P-NH



## 11. FINALIZE INSTALLATION

- Step 1:** Record fiber identification on the label in a logical way and attach to inside of front door.
- Step 2:** Secure front door with slotted screwdriver.

**NOTE:** The optional Quick Release Latch Kit may be installed to facilitate access to the housing. A padlock may be installed to prevent unauthorized access.



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