

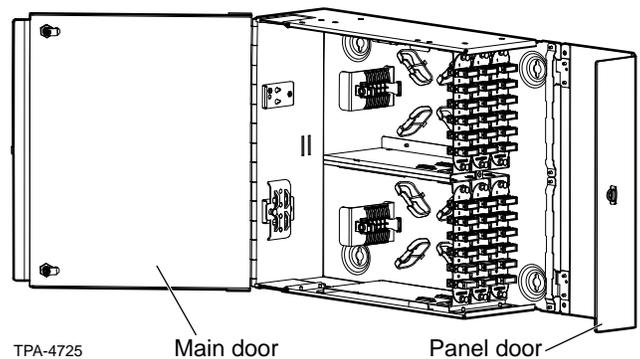
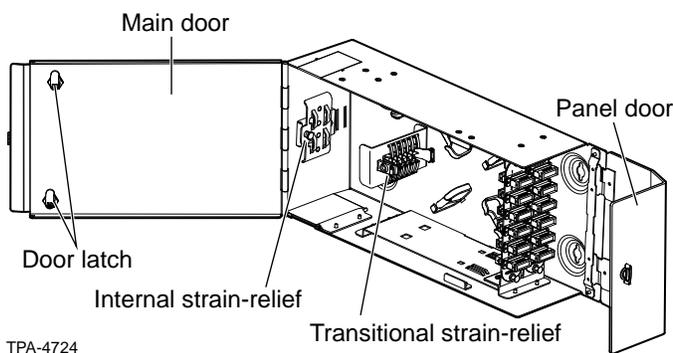
CORNING

Wall-Mountable Connector Housing (WCH-02P/-04P/-06P)

P/N 003-982-AEN
Issue 5

1. Carton Contents

- Wall-mountable connector housing (WCH)
- WCH-02P hardware kit:
 - (1) Laser warning label
 - (2) Fiber identification labels
 - (3) Cable ties
 - (4) Mounting screws
- WCH-04P/-06P (x2) hardware kit:
 - (1) Laser warning label
 - (6) Fiber identification labels
 - (3) Cable ties
 - (4) Mounting screws



DIMENSIONS	
WCH-02P	18.8 cm x 42.2 cm x 10.7 cm (7.4 in x 16.1 in x 4.2 in)
WCH-04P	35.8 cm x 42.2 cm x 10.7 cm (14.1 in x 16.1 in x 4.2 in)
WCH-06P	35.8 cm x 42.2 cm x 10.7 cm (14.1 in x 16.1 in x 4.2 in)

2. Tools and Materials

- Phillips screwdriver
- Slotted screwdriver
- Needle-nose pliers
- Pencil, pen or marker

3. Additional Materials (Purchased Separately)

May or may not be required depending on your application

- CCH pigtailed cassettes (CCH-CS12-59-P00RE)
- CCH cassette (CCH-CS, CCH-CF)
- Pigtailed panels (CCH-CPXX-YY-P03ZZ)
- Connector panels (CCH-CPXX-YY)
- Mounting hardware appropriate for your installation
- Grounding kit (FDC-CABLE-GRND) for armored cable
- Buffer tube fan-out kits (FAN-XX25-YY)

4. Precautions



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.



WARNING: Never look directly into the end of a fiber that may be carrying laser light. Laser light can be invisible and can damage your eyes. Viewing it directly does not cause pain. The iris of the eye will not close involuntarily as when viewing a bright light. Consequently, serious damage to the retina of the eye is possible. Should accidental eye exposure to laser light be suspected, arrange for an eye examination immediately.



CAUTION: Cleaved or broken glass fibers are very sharp and can pierce the skin easily. Do not let these pieces of fiber stick to your clothing or drop in the work area where they can cause injury later. Use tweezers to pick up cleaved or broken pieces of glass fibers and place them on a loop of tape kept for that purpose alone. **Good housekeeping is very important.**



CAUTION: Recommend the use of safety glasses (spectacles) conforming to ANSI Z87 for eye protection from accidental injury when handling chemicals, cables, or working with fiber. Pieces of glass fiber are very sharp and have the potential to damage the eye.

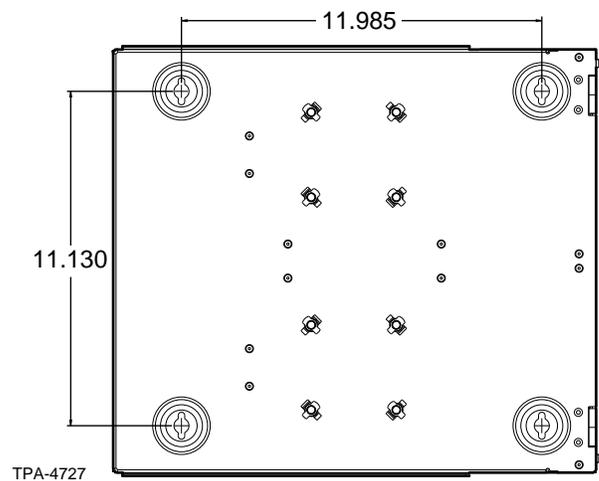
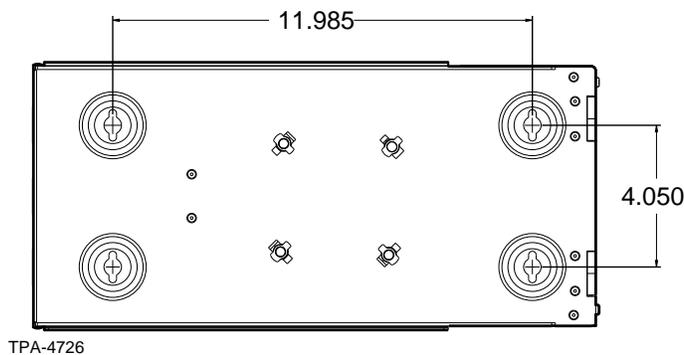
5. Mount Housing to a Wall

Step 1: Open doors with quarter-turn latches.

Step 2: Using the housing as a template, mark the mounting hole locations.

NOTE: Use the pre-installed bubble level for mounting accuracy.

- WCH-02P: L = 11.985 in (30.44 cm)
H = 4.050 in (10.287 cm)
- WCH-04P/-06P L = 11.985 in (30.44 cm)
H = 11.130 in (28.27 cm)



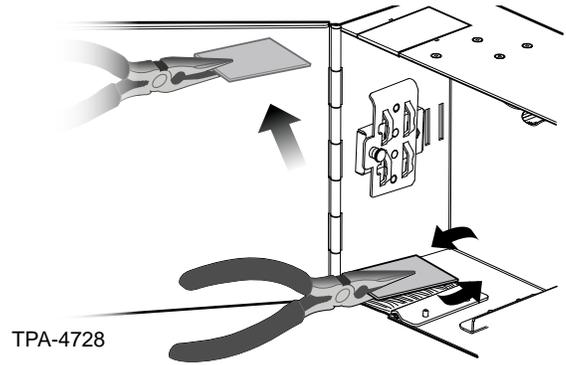
Step 3: Drive mounting hardware into the wall at these locations, leaving a 1/8-in gap between the wall and screw head.

Step 4: Place housing onto the mounting hardware and then tighten.

6. Prepare Cable

If present, remove applicable knockout by placing needle-nose pliers as close as possible to the “bottom” of the knockout and **slowly** flex the knockout until it breaks free of the housing.

CAUTION: Be careful not to damage the pre-installed dust brushes when removing a knockout.

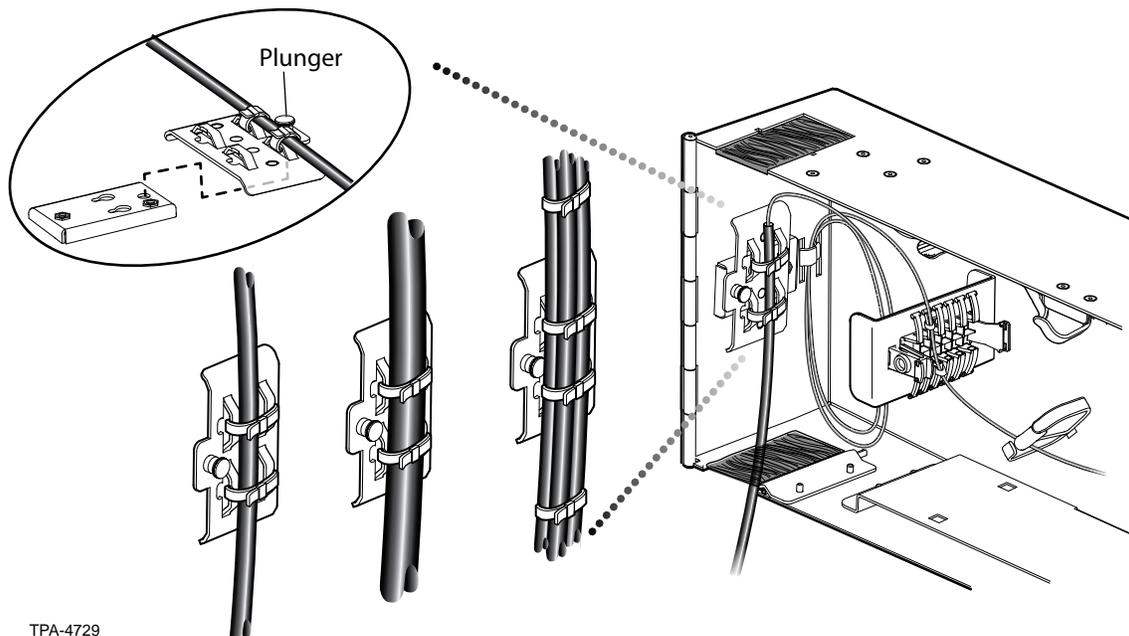


Loose tube cable	Tight-buffered cable
<p>*Recommend 25-in buffer tube fan-out kit.</p>	<p>NOTE: Ground armored cable according to instructions provided with the kit;</p> <ul style="list-style-type: none"> • Use (1) FDC-CABLE-GRND per armored cable.

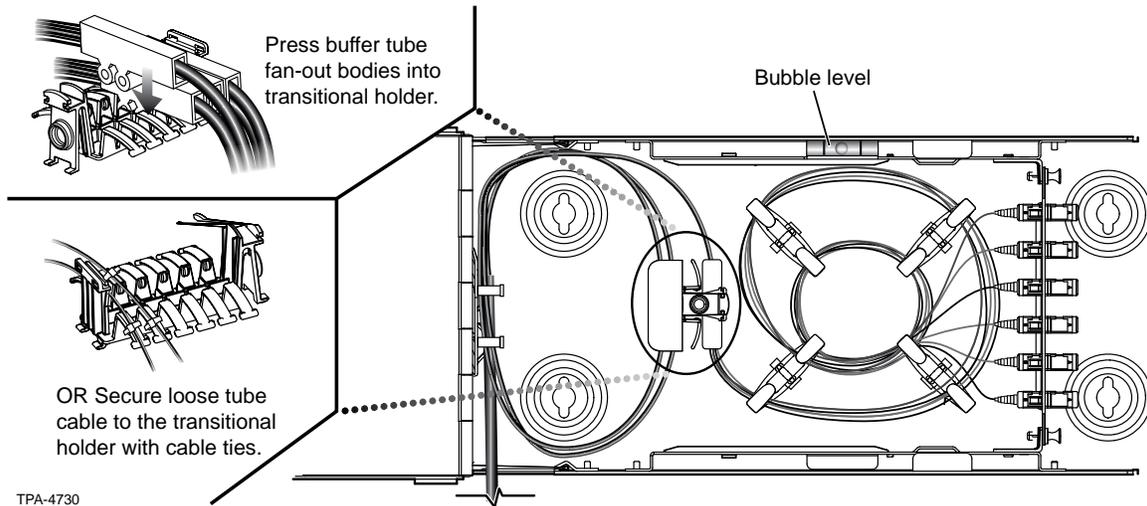
IMPORTANT: If you are installing outside plant cable or if temperature fluctuates widely along any part of the cable, the strength members of the cable must be strain-relieved. Failure to do so may result in damage to the cable as temperature varies. Other situations only require the cable to be strain-relieved by sheath retention only.

7. Strain-relieve Cable

To ease cable installation, you can remove strain-relief bracket by lifting the plunger and sliding the bracket out of the housing. Reverse process to reinstall the bracket with the cable attached.

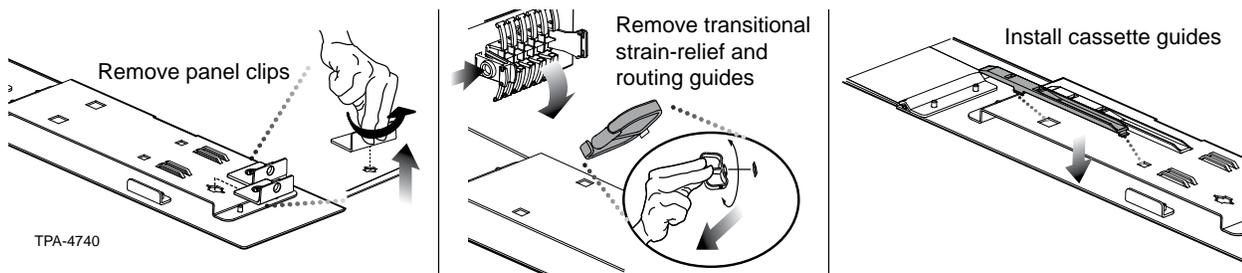


8. Route Unconnectorized or Preterminated Cable

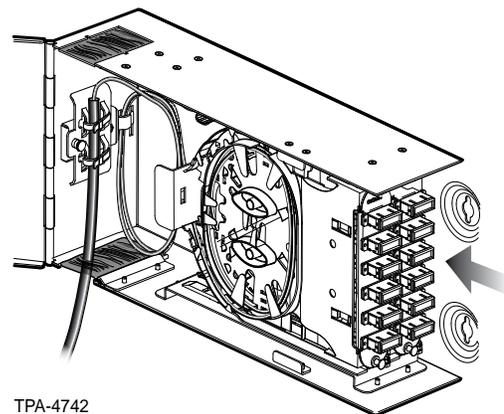


- Step 1:** Remove blank adapter panel and install connector panel.
- Step 2:** If fiber is unconnectorized, terminate connectors onto the fiber.
- Step 3:** Secure buffer tube or buffer tube fan-out body to the transitional holder.
- Step 4:** Route fibers inside the routing guides.
- Step 5:** Remove dust caps, clean, and mate connectors.

9. Install Pigtailed Cassettes



- Step 1:** Bring cable and cassette to work surface and splice per standard company practices and instructions provided with the splicing equipment.
- Step 2:** Route fiber slack in the slack storage area inside the cassette.
- Step 3:** Remove blank adapter panels, panel clips, routing guides, and transitional strain-relief.
- Step 4:** Install cassette guides in the base of the housing.
- Step 5:** With clear cover facing inward, slide CCH cassette onto the cassette guide in the base of the housing and lock in place.

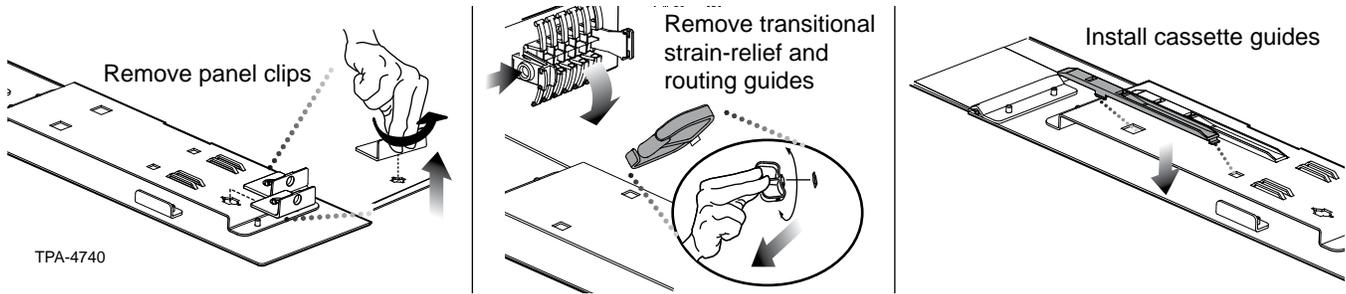


NOTE: To orient clear cover outward, operator must be aware of fiber/adapter port orientation.

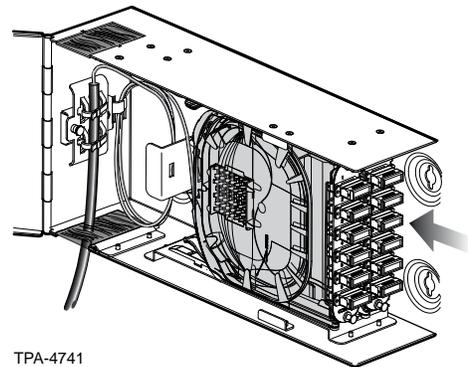
- Step 6:** Route subunit slack in the cable entry area. Restrain with cable ties or hook-and-loop straps, if necessary.
- Step 7:** Strain-relieve cable to the internal strain-relief bracket as described in Section 7.
- Step 8:** Route cable out of the housing through side cable entry cutout.

10. Install CCH Cassettes for Splicing

- Step 1:** Bring cable and cassette to work surface and splice per standard company practices and instructions provided with the splicing equipment.
- Step 2:** Route fiber slack in the slack storage area inside the cassette.
- Step 3:** Remove blank adapter panels, panel clips, routing guides, and transitional strain-relief.



- Step 4:** With the clear cover of the cassette facing outward, slide CCH cassette onto the cassette guide in the base of the housing and lock in place.
- Step 5:** Route subunit slack in the cable entry area. Restrain with cable ties or hook-and-loop straps, if necessary.
- Step 6:** Strain-relieve cable to the internal strain-relief bracket as described in Section 7 if not already done.
- Step 7:** Route cable out of the housing through side cable entry cutout.



11. Secure Housing

Close and latch both doors.