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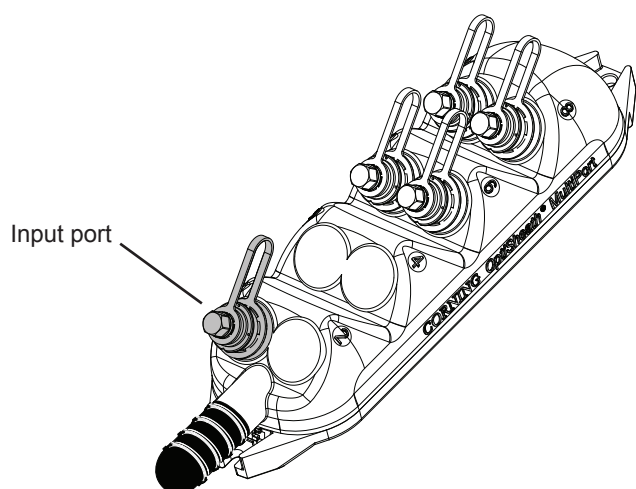
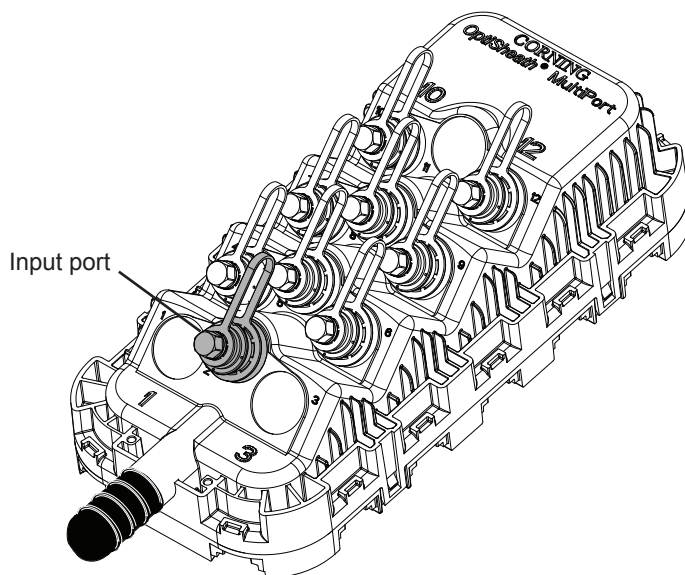
Instruction, Optical Access Connector Cleaning Kit

1. GENERAL

This instruction describes installation of the Corning Optical Communications OptiSheath® Multiport Terminal family using the universal multiport mounting adapter kit.

2. CARTON CONTENTS

- Optisheath Non-Stubbed Terminal with splitter, one of the configurations as ordered:
 - 1:8 ports OptiTap® connectors - non stubbed (9-port Terminal)
 - 1:4 ports OptiTap connectors - non stubbed (5-port Terminal)
 - Mounting kit
 - Installation instruction (SRP)



3. TOOLS AND MATERIALS

3.1. Tools

- Corning Optical Communications Optical Access Connector Cleaning Kit
- Appropriate drivers for screws/lag bolts
- Side cutters to cut/trim cable straps

3.2. Materials

The following materials may be required to install the terminal in some of the applications described in this instruction:

- Cable ties in the length required for your installation
- Cable spacers
- Lag bolts or screws as required for wall or wooden pole applications
- Locking head

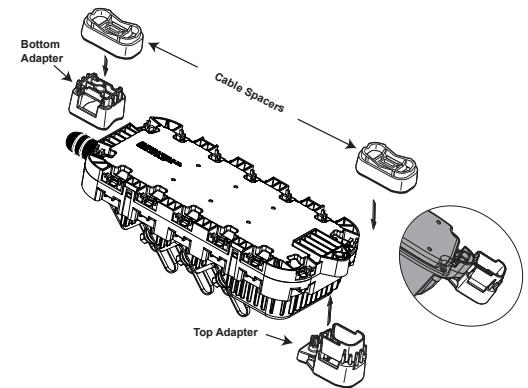
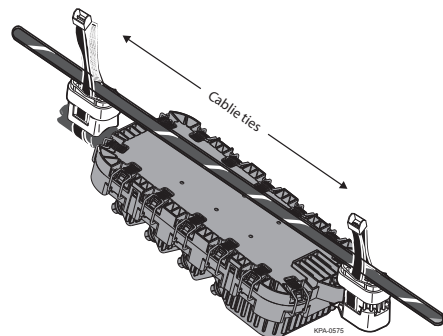
4. INSTALLATION

4.1. In an Aerial Application

Follow your engineering plan to determine the location where the terminal will be installed.

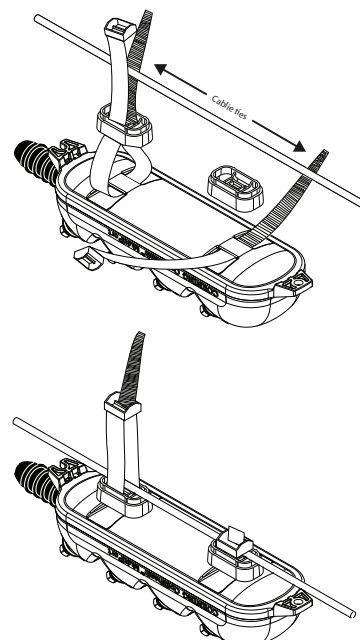
4.1.1 9-port Terminals

- Step 1:** Insert stud on top adapter into mounting hole at the top of the terminal as shown (cable spacers not included).
- Step 2:** Place bottom adapter at the bottom of the terminal, as shown.
- Step 3:** Place cable spacers on each of the mounting adapters.
- Step 4:** Run cable ties through one side of the spacers and mounting adapters and back through the other side of the mounting adapters and spacers as shown in Figure 3.
- Step 5:** Hang terminal on strand and tighten cable ties.
- Step 6:** Trim cable tie with side cutters per local practice.



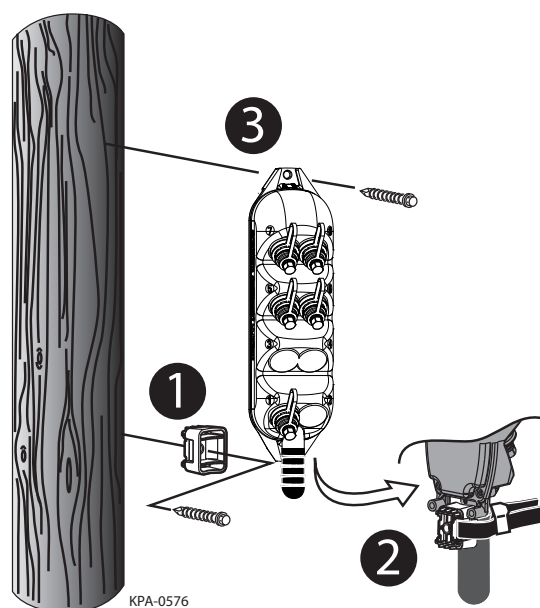
4.1.2 5-port Terminals

- Step 1:** Thread cable ties through spacer and slots in base of terminal.
- Step 2:** Secure to strand.



4.2. On a Wall or Wooden Pole

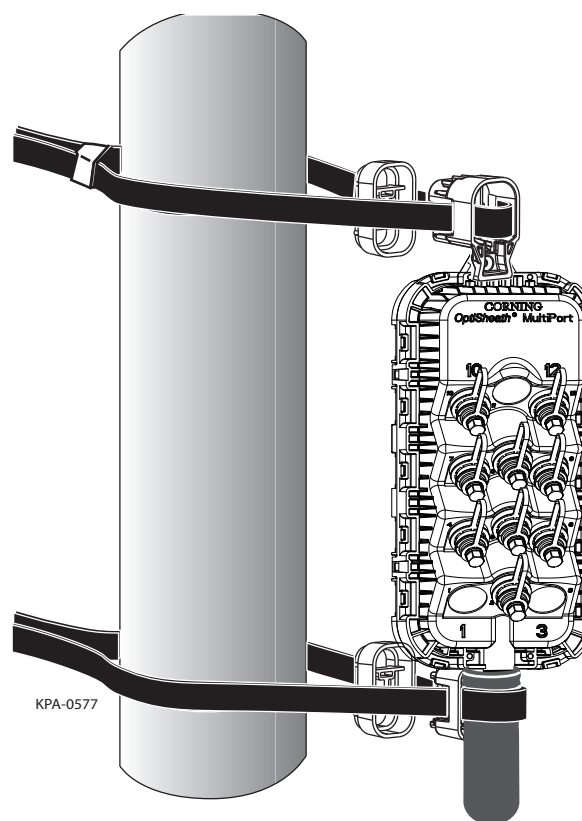
- Step 1:** Using 1/4 inch threaded fasteners (not provided), appropriate for mounting surface, Secure the bottom adapter to the wall or pole through the hole in the center of the adapter. Tighten the fastener securely.
- Step 2:** Thread a cable strap through the bottom of the adapter and around the heat shrink cap at the bottom of the terminal. Secure the cable strap with a locking head.
- Step 3:** Secure the top of the terminal wall or pole through the mounting hole at the top of the terminal.



4.3. On a Metal or Concrete Pole

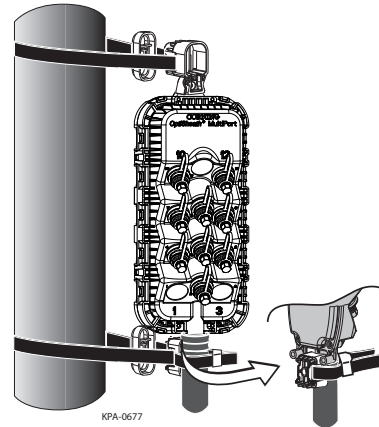
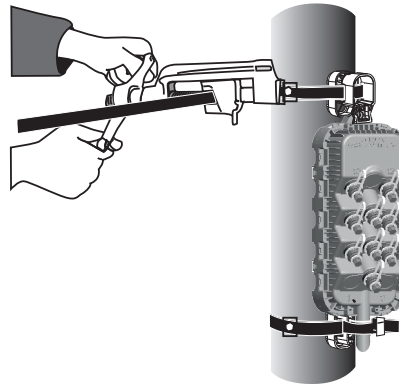
4.3.1 Using Plastic Bands

- Step 1:** Insert stud on top adapter into the mounting hole at the top of the multiport terminal as shown.
- Step 2:** Run cable straps through one side of the adapter and back through the other side of the adapter as shown .
- Step 3:** Place cable spacers between terminal and pole behind the mounting adapters.
- Step 4:** Place bottom adapter behind the heat shrink cap at the bottom end of the terminal and repeat steps 2 and 3.
- Step 5:** Place terminal on the concrete or metal pole and position each cable strap.
- Step 6:** Install locking heads on each strap and draw tightly. Trim strap with side cutters as needed.



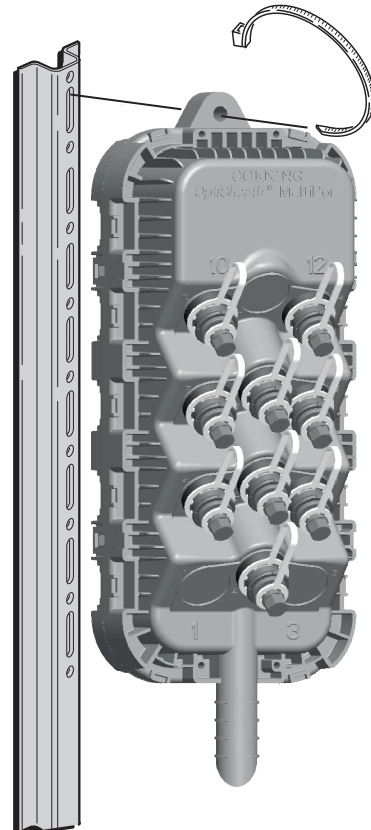
4.3.2 Using Metal Straps

- Step 1:** Insert stud on top adapter into the mounting hole at the top of the multiport terminal as shown in.
- Step 2:** Thread a cable strap through the bottom adapter and around the heat shrink cap at the bottom of the terminal. Secure the cable strap with a locking head.
- Step 3:** Place cable spacers on the adapters between the terminal and the pole.
- Step 4:** Run a metal strap through the top and bottom mounting adapters and back out the other side of the adapters.
- Step 5:** Place terminal on the concrete or metal pole and position each cable strap around the pole.
- Step 6:** Using a Band-It- type tool, tighten the metal bands around the pole.



4.4. In a Handhole

- Step 1:** The Universal Mounting Adapter Kit is not required to install a terminal in a handhole. If a swing arm is provided for mounting the terminal, follow the instructions provided by the handhole manufacturer. Otherwise follow the steps below.
- Step 2:** Position the terminal in the handhole with the mounting hole at the top of the terminal against the vertical mounting channel.
- Step 3:** Attach the terminal the channel with a cable tie.



5. MATING AN OPTITAP® CONNECTOR TO AN OPTITAP ADAPTER

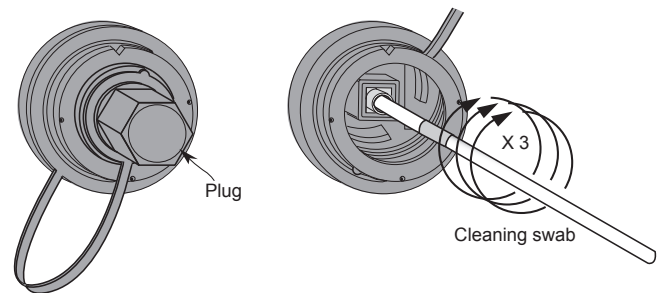
5.1. Clean OptiTap Connector

Clean the connectors with the Optical Access Connector Cleaning Kit (p/n CLEANER-PORT-OTAP) as described in the instructions provided with the kit.

5.2. Clean OptiTap Adapters

Step 1: Remove the protective plug from the OptiTap adapter where the connector will be mated. Use a wrench or appropriate tool to assure proper removal.

Step 2: Insert a dry swab into the adapter and make three 360° twists with light pressure against the connector end-face. Dispose of the swab after one use.



5.3. Mate Connectorized OptiTap Drop Cable

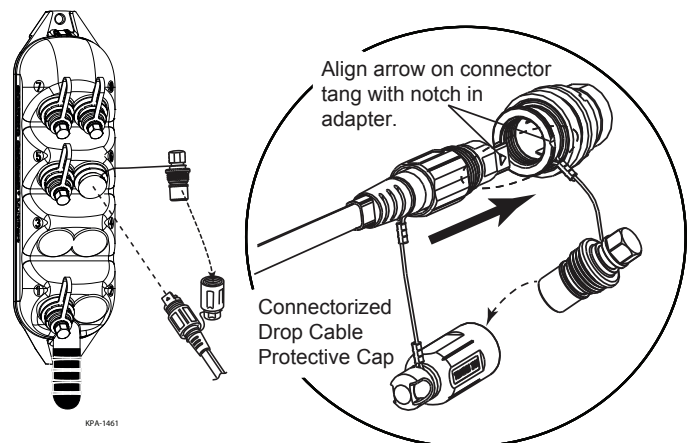
NOTE: Same procedure for both terminals (9 and 5 ports version).

Step 1: Insert the connectorized drop cable into the OptiTap adapter. Orient the arrow on the connector tang with the notch in the adapter.

Step 2: Screw the connectorized drop cable connecting hardware into the OptiTap adapter. Connector should be installed hand tight. Do not use pliers or other tools than can overtighten connector or adapter.

Step 3: Screw the OptiTap adapter plug into the connectorized drop cable protective cap.

Step 4: Repeat Section 5.3 for all connectorized drop cables.



6. MATING CONNECTORIZED DROP CABLE TO THE TERMINAL AFTER INITIAL INSTALLATION

After the initial installation, the sealed terminal may become covered with mud and dirt due to normal ground water or flooding. Although these contaminants on the outside of the housing will not affect the performance of the unit, care must be taken when removing the OptiTap adapter plugs for drop cable installation to prevent loose dirt particles from entering the adapter sleeve and contaminating a connector end-face.

NOTE: Only use clean water to wash the outer housing. Do not use any type of solvent.

Step 1: Remove any cable ties or hardware securing the terminal.

Step 2: For light dirt and dust, soak a rag or towel with clean water and gently clean the housing. Wipe dry with a clean, dry rag or towel.

For heavy, caked-on mud and dirt, spray the terminal with low-pressure water such as from a garden sprayer. A soft-bristled brush may also be used to lightly scrub the housing to loosen the mud and dirt. Remove any remaining dirt with a water-soaked rag or towel and wipe dry with a clean, dry rag or towel.

Step 3: Although the unit should now be generally clean, there may still be dirt particles around the OptiTap adapter plugs. Therefore, before removing a plug, first turn the terminal so that the adapters face downward and then unscrew the selected plug. In this way, any stray dirt particles will fall to the ground instead of into the adapter.

Step 4: Use the Corning Optical Communications Optical Access Connector Cleaning Kit as described in Sections 5.1 and 5.2 to clean the OptiTap drop cable assembly and adapter plugs.

Step 5: Keep the adapters facing down while inserting and tightening the drop cable assembly.

Step 6: Insert the connectorized drop cable into the OptiTap adapter. Orient the arrow on the connector tang with the notch in the adapter.

Step 7: Screw the connectorized drop cable connecting hardware into the OptiTap adapter.

Step 8: Screw the OptiTap adapter plug into the connectorized drop cable protective cap.

Step 9: Repeat steps 1 through 9 for all connectorized drop cables.



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.



WARNING: This product is designed to meet specifications for Class 3 lasers only and should not be used with optical fiber transmission systems containing lasers of classes for which they have not been certified. DO NOT use magnifiers in the presence of laser radiation. Diffused laser light can cause eye damage if focused with optical instruments. Should accidental eye exposure be suspected, arrange for an eye examination immediately.



WARNING: Do not install telecommunications equipment or work with telephone wiring during a lightning storm. Telephone lines can carry high voltages from lightning causing electrical shock resulting in severe injury or death.

Disposal Note

Disposal of the products and their packaging must be carried out in strict compliance with the local laws currently in force.

Disclaimer

Corning Optical Communications GmbH & Co. KG accepts no liability for any damage arising from improper use of the product. The extent of any liability in specific instances shall be limited to the General Terms and Conditions of Sale from Corning Optical Communications GmbH & Co. KG. This product is state of the art.

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