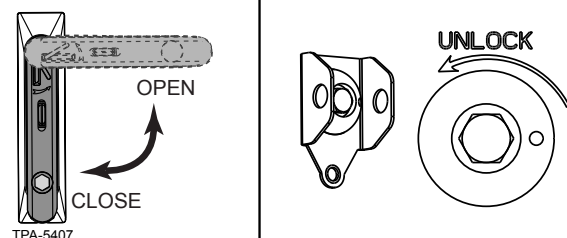


related literature |

003-756	Instruction, OptiTest Local Convergence Cabinet, LS Series
003-873	Instruction, OptiTest Indoor Local Convergence Point Cabinet
003-980	Instruction, Fiber Distribution Housing – Modular Splice Solution

1. Open Cabinet Door

Once the cabinet has been securely mounted following the applicable instruction listed in the related literature table, begin work operations inside the cabinet. If the door is closed, use a 216B tool or a 5/16-inch nut driver to open the appropriate lock.



2. Installing Splitter Modules

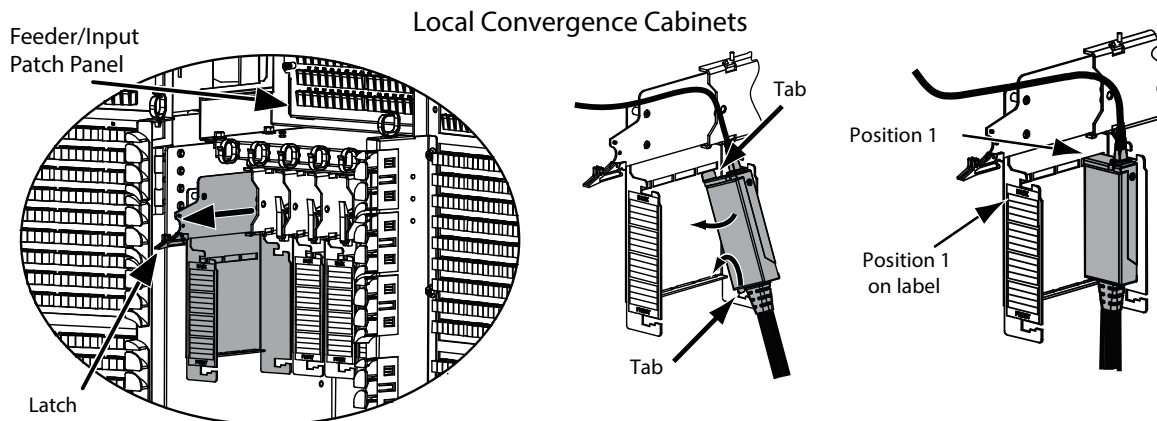
Remove splitter modules from their packaging.

2.1 In Local Convergence Cabinets (LCCs)

Step 1: Open the module housing by flipping the latch down and pulling the housing toward you.

Step 2: Install modules in the order shown by the routing label. Hook the tab at the top of the module into the slot in the housing, then insert the bottom tab in its slot.

Step 3: Secure the splitter module in the module housing by sliding the housing back into the cabinet and closing the latch.



NOTE: Load modules from back to front and left to right.

Cabinet back		
1	5	9
2	6	10
3	7	11
4	8	12
Cabinet front		

144- to 432-fiber cabinets

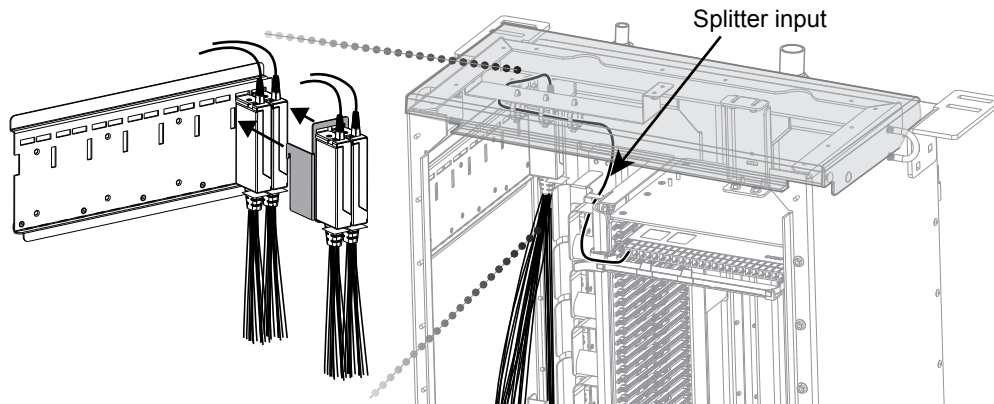
Cabinet back			
1	8	15	22
2	9	16	23
3	10	17	24
4	11	18	25
5	12	19	26
6	13	20	27
7	14	21	28
Cabinet front			

576- and 864-fiber cabinets

TPA-6789

2.2 In Fiber Distribution Housings (FDHs)

Install the splitter module in the module brackets as shown.



3. Connecting Connectorized Splitter Module Input Fibers to Feeder Cable



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.

Connectorized splitter input fibers will be mated to the front of the feeder/input patch panel in LCCs or to the input cassette in FDHs.

Step 1: Locate the feeder fiber port to be connected to the splitter input fiber. Lower the laser safety shutter and clean the adapter using a dry process.

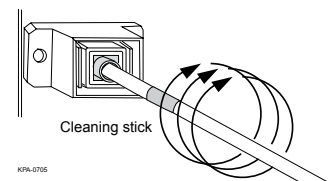
Step 2: Verify with a power meter that the power is off to the feeder fiber port to be connected. If power to that port is on, turn it off at the central office before proceeding.

Step 3: Route the connectorized splitter input fiber to the appropriate feeder port as shown on the label on the cabinet door.

Step 4: Remove the connector dust cap. Clean the connector end face using a dry process, such as with a cleaning cassette or per your company cleaning procedures. Mate the connector into the port.

Step 5: Record the connection information on the appropriate label on the housing/cassette.

Step 6: Power may now be turned on to the newly connected feeder port.

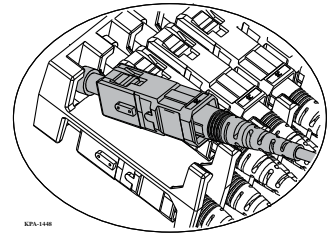


4. Connecting Splitter Output Fibers

Output fibers can be mated at the time of the cabinet's installation or stored in storage field and mated later as new service is required. Mate splitter output fibers into connector adapters to provide service to each customer. Ensure dust caps remain on output connectors until time to be connected. No need to turn off feeder power from the central office for this procedure.

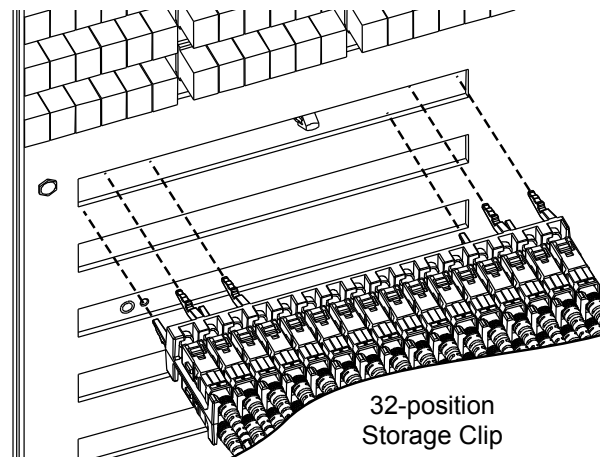
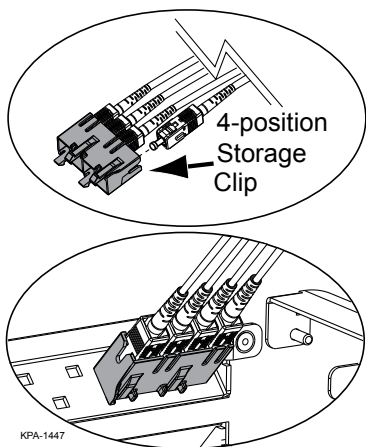
4.1 Route Splitter Module Output Fibers to be Connected Now

- Step 1:** Select the splitter output fiber to be connected and remove it from the connector storage clip.
- Step 2:** Locate the appropriate port in the distribution field/cassette where the connector will be inserted.
- Step 3:** Clean adapter using a dry process illustrated in Section 3.
- Step 4:** Remove the connector dust cap. Clean the connector end face using a dry process, such as with a cleaning cassette or per your company cleaning procedures.
- Step 5:** Route the splitter output fiber slack as shown on the fiber routing label on the inside of the cabinet door for LCCs or as seen in Section 4.2.3 for FHDs.
- Step 6:** Mate the splitter output fiber connector to the distribution connector.
- Step 7:** Repeat Steps 1 through 6 for each splitter output fiber that is to be connected.
- Step 8:** Update the splitter output fiber/distribution fiber mapping label. Good record keeping is imperative for an orderly installation.



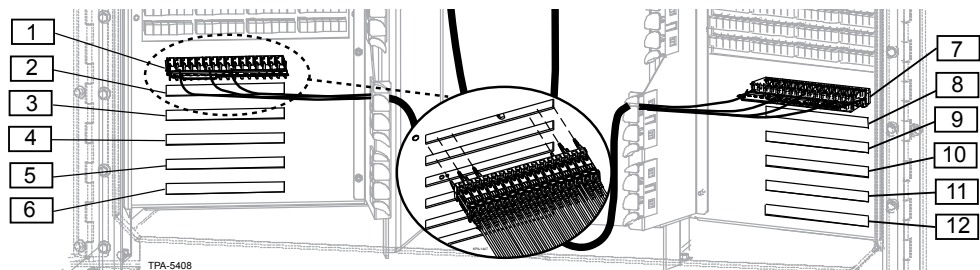
4.2 Route and Store Output Fibers to be Connected Later

Depending upon the part number ordered, your output connectors will be stored in either 4-position or 32-position clips. Both sizes of clips are installed into the storage field in the same manner. Storage slots for the 32-position clip may be horizontal or vertical. Ensure dust caps remain on the output connectors until they need to be connected.



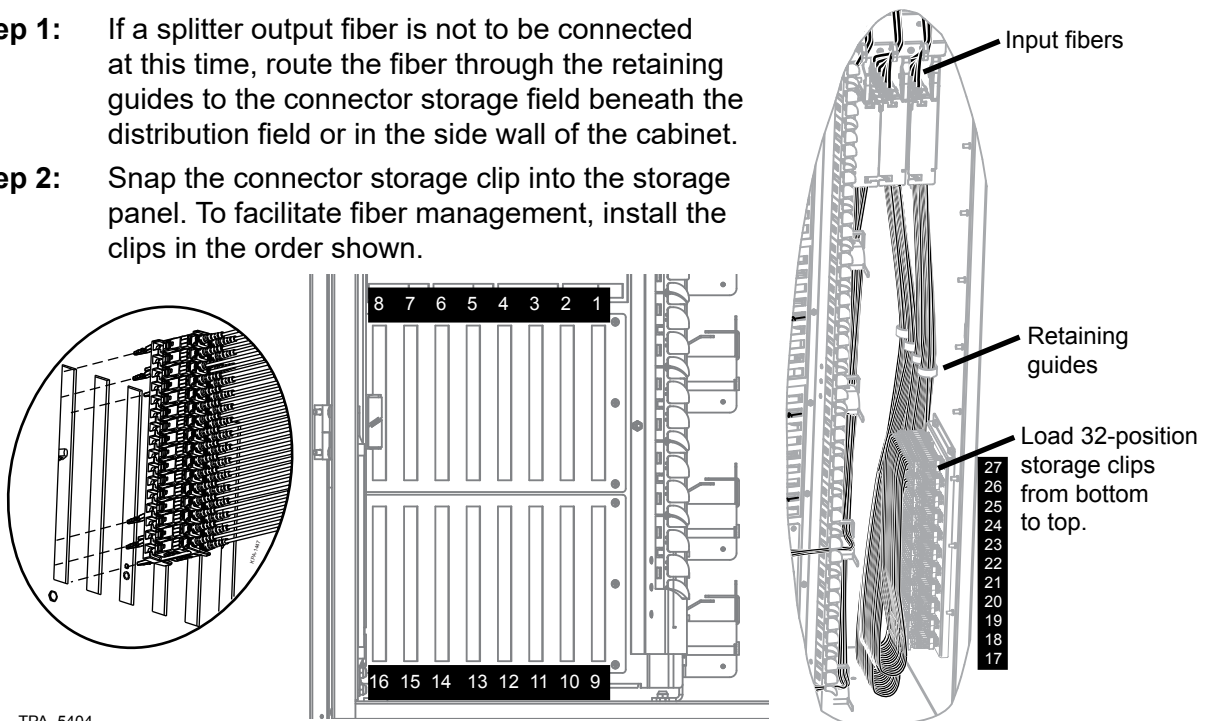
4.2.1 In a 576-/864-fiber Outdoor LCC

- Step 1:** If a splitter output fiber is not to be connected at this time, route the fiber through the retaining guides to connector storage field beneath the distribution field of cabinet.
- Step 2:** Snap the connector storage clip into the storage panel. To facilitate fiber management, install the clips in the order shown.



4.2.2 In a 576-/864-fiber Indoor LCC

- Step 1:** If a splitter output fiber is not to be connected at this time, route the fiber through the retaining guides to the connector storage field beneath the distribution field or in the side wall of the cabinet.
- Step 2:** Snap the connector storage clip into the storage panel. To facilitate fiber management, install the clips in the order shown.



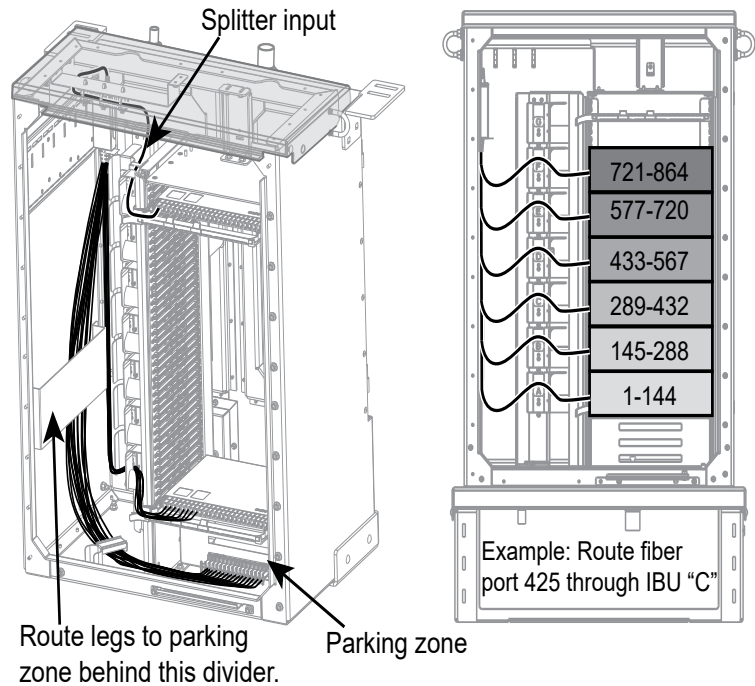
4.2.3 In an FDH-HD

Leave unused jumpers in their storage clip. Route legs behind the divider and store in parking zone.

5. Securing the Cabinet

When all work operations inside the cabinet are complete, secure the cabinet door.

- Step 1:** If applicable, disengage the door restraint by gently lifting it to release the door.
- Step 2:** Close all doors. If cabinet has a handle, rotate the handle 90 degrees clockwise.
- Step 3:** Use the 216B tool to lock the door latch. For additional security, insert a padlock (purchased separately) through the holes in the hasp around the latch.



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