tyco Electronics

FOSC-OC-XC

INSTALLATION INSTRUCTION

For single channel CWDM add/drop cassettes in FOSC-450D

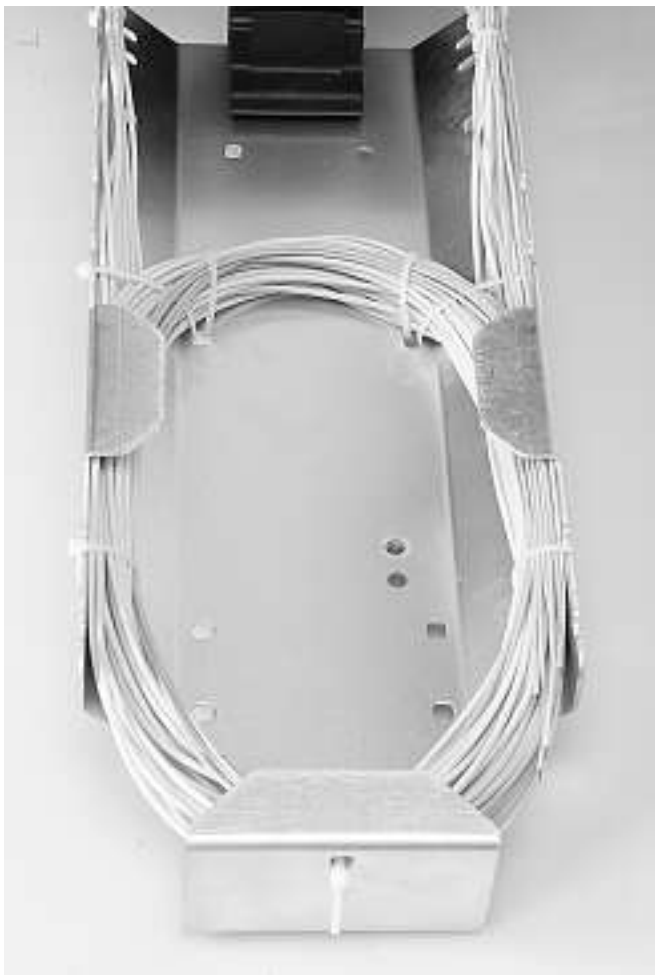
TELECOM OUTSIDE PLANT

1 Kit content

- 1 single channel CWDM cassette with 6 adaptors installed
- 1 prepack including tie wraps & foam strip
- 6 pigtails 900µ with connector
- 1 prepack with transportation tubes of different diameters
- 1 installation instruction
- 2 jumper cables

2 Main cable installation (CO and Field side)

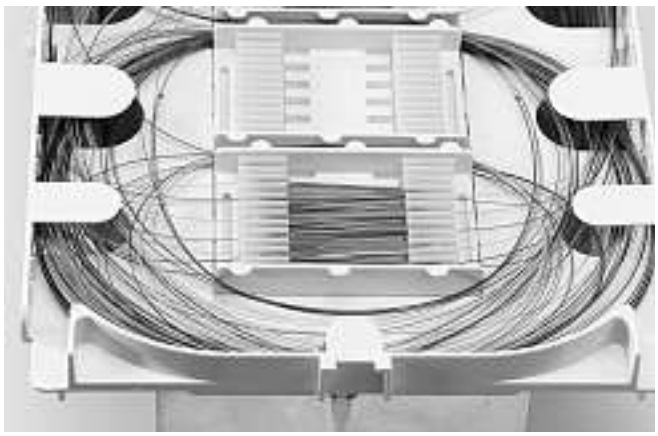
2.1 Prepare the main cable(s) CO & Field side as described in the instruction F408.10/03 of the FOSC-450D chapter 3 to 5.



2.2 Store the uncut tubes in case of a midspan application in the basket under the splicing tray.

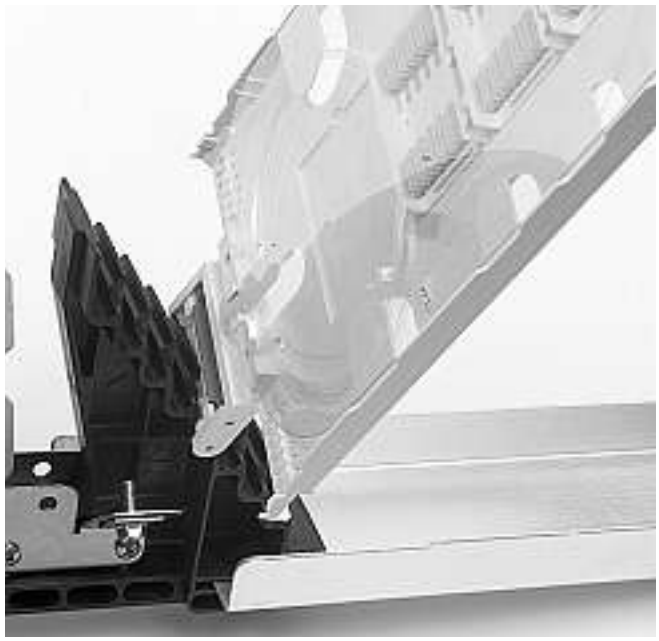
2.3 Install the transportation tubes over the cut loose tubes and route them to the splicing tray.

2.4 Terminate the field side and the CO side transportation tubes one on each side of the splicing tray (upstream /downstream signal).

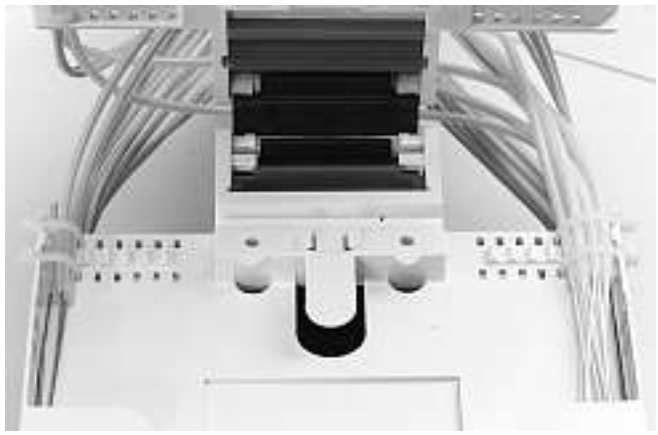


2.5 Splice the unutilized fibers through, Store the overlength of the fiber in the top section of the splicing tray (see picture).

3 First single channel tray installation

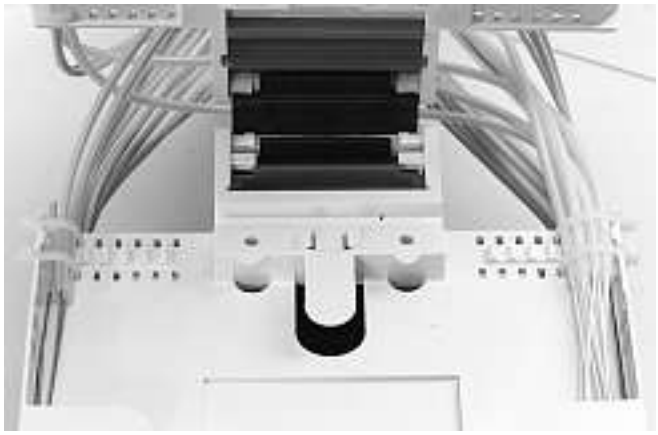


3.1 Insert the single channel tray and terminate to the closure tower.

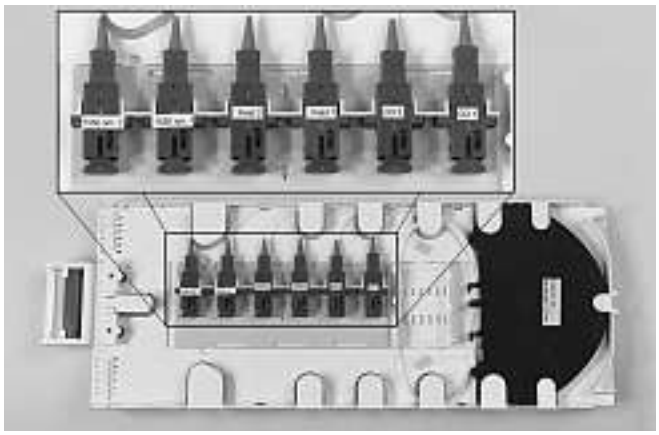


3.2 Install the three transportation tubes on the outgoing side of the single channel tray and route them behind the closure tower to the splicing tray.

3.3 Install the drop cable in the closure port following the standard instruction of the FOSC450D (chapter 6.3).

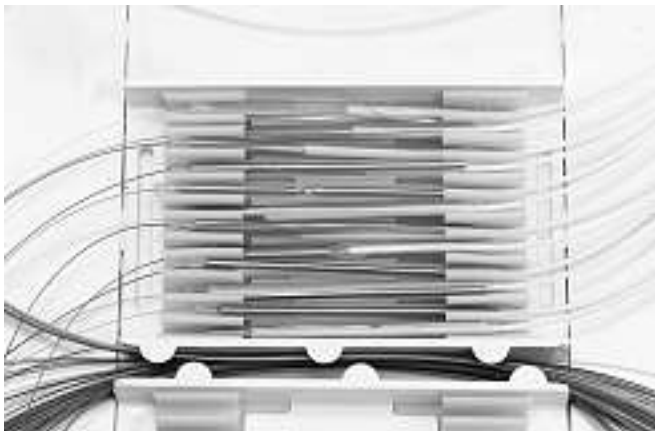


3.4 Route the transportation tubes of the drop cable to the splicing tray, arrive always on the opposite side of the transportation tubes coming from the single channel tray.

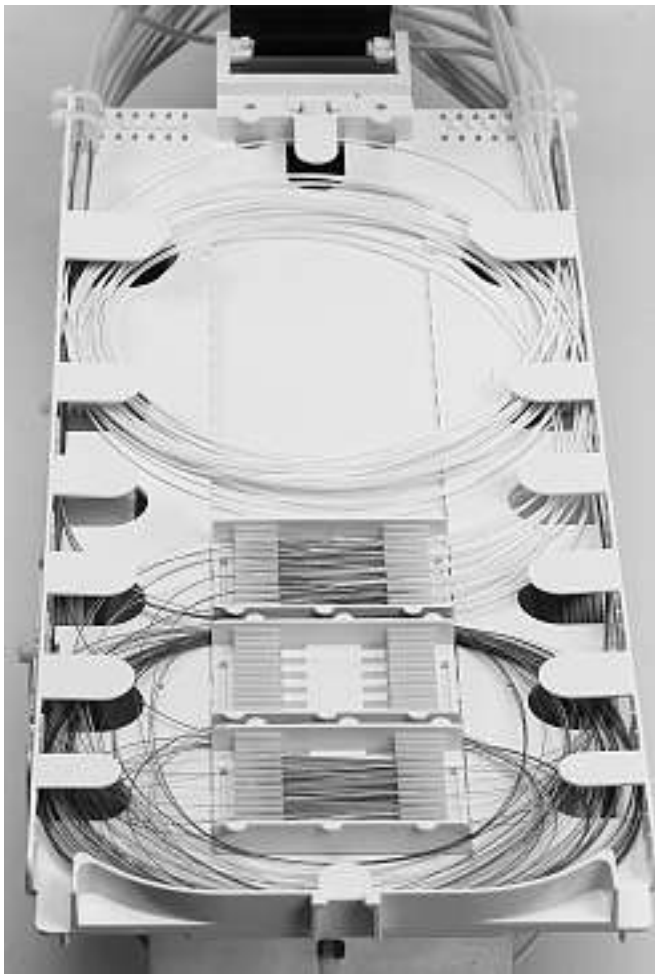


3.5 Connect the pigtails of the three circuits to the appropriate positions in the single channel tray (see picture).

3.6 Feed the pigtails through the dedicated transportation tubes to the splicing tray.



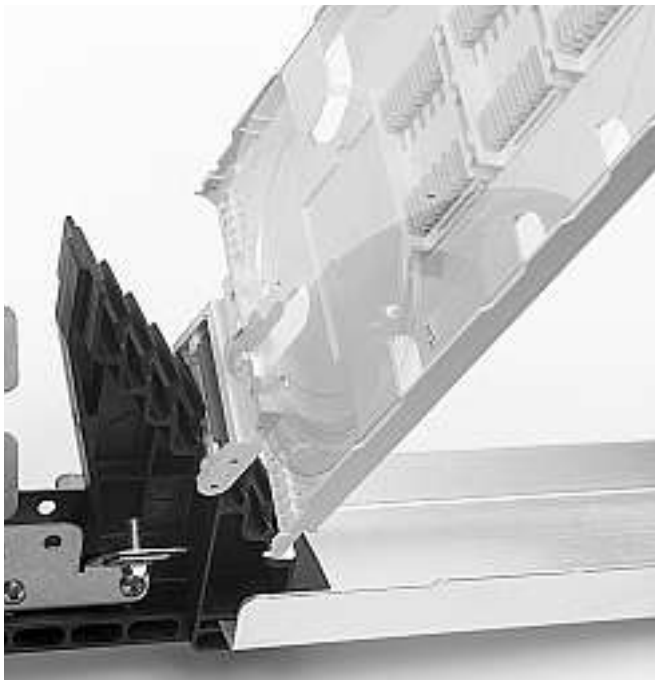
3.7 Splice the 900µ pigtails to the correct cable circuit fibers and position the splices in the bottom splice holder module (C.O., Field, and single channel).



3.8 Organize the overlenght of the pigtails in the bottom of the tray, and store the bare fibers on the top. Organize the fibers in such way that there will be a minimum of cross overs in the storage area.

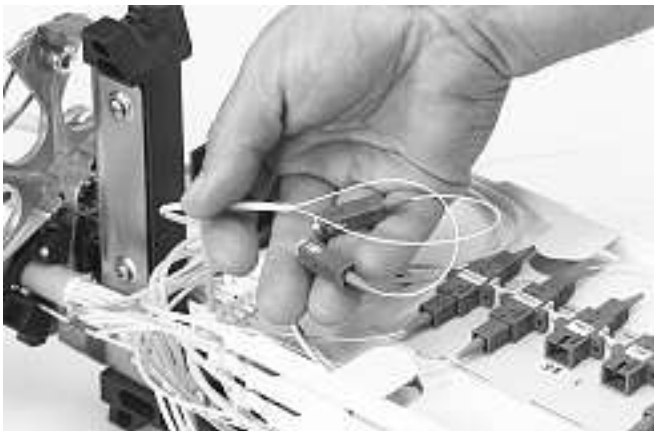
4 Adding a single channel tray

4.1 Terminate the new drop cable in the closure following the standard instruction of FOSC-450D (chapter 6.3).

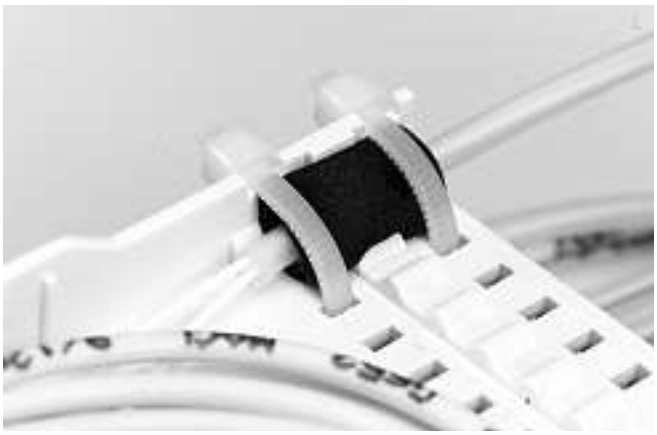


4.2 Insert the single channel tray and terminate to the closure tower.

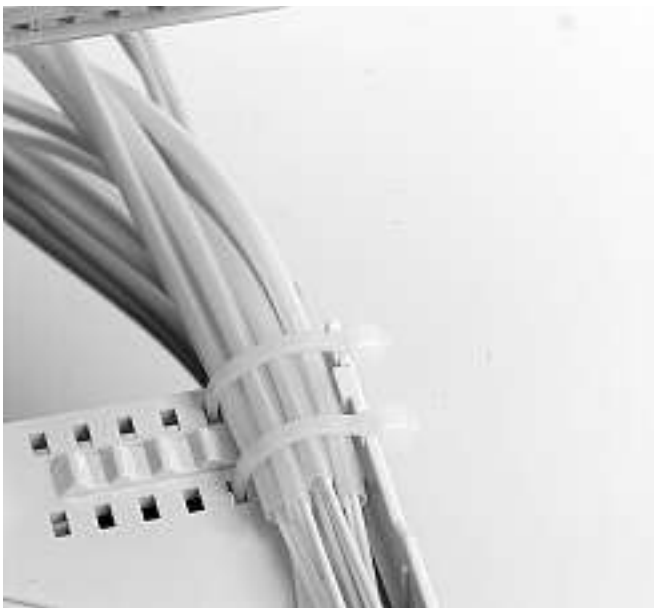
4.3 Remove the tie wraps on the last installed single channel tray, disconnect the field circuit connectors.



4.4 Move the transportation tube with the field circuit connectors to the new installed tray and connect them in the appropriate positions.

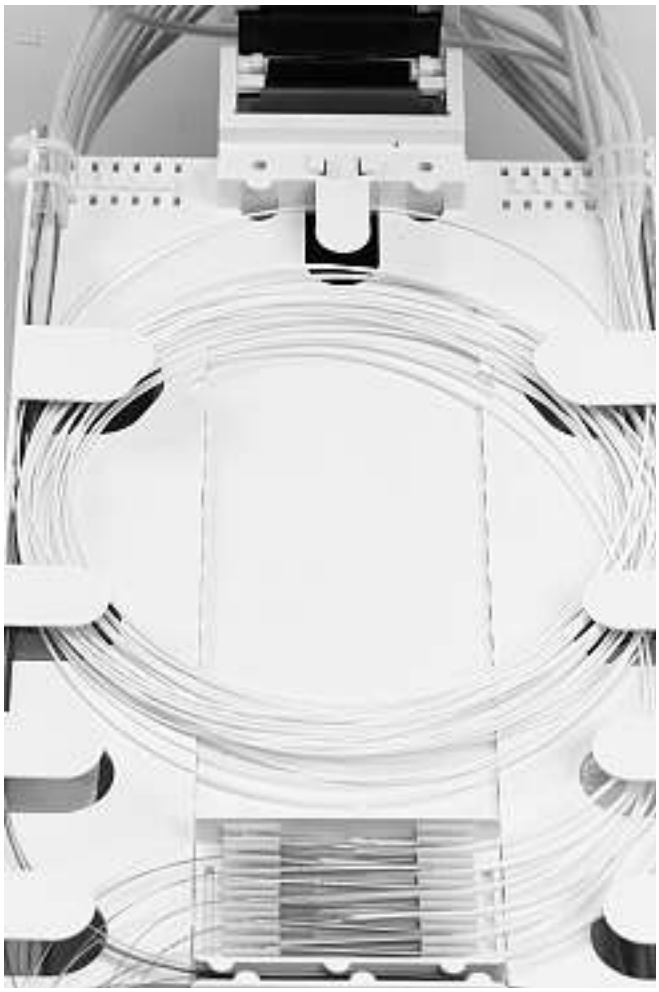


4.5 Wrap some foam around the transportation tube of the field circuit pigtails to hold them in the tray with tie wraps.

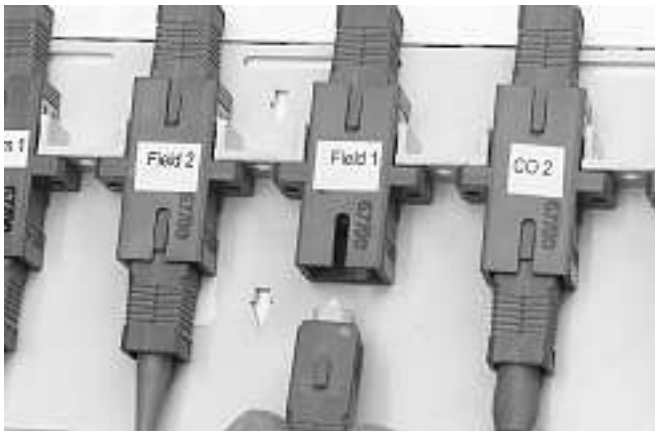


4.6 Install between the single channel tray and the splicing tray the transportation tube for the pigtails of the add/drop cable.

4.7 Insert the pigtail connectors in the adaptors for the add/drop signal.



4.8 Route the pigtails to the splicing tray and splice to the fibers of the add/drop cable. Position the splice protections in the bottom splicing module (see picture).



4.9 Connect one side of the patch cord to the field circuit adaptors of the previous installed tray and route the patch cord to the new installed tray connecting to the C.O. circuit adaptors.

4.10 The patch cords should be organized in the bottom of the single channel tray so that they always can be routed behind the closure tower secure the intertray jumper cables with tiewraps, avoid tension on the cable jackets by selecting the appropriate slot in the tray for the tiewrap..

5 Closing of the closure

5.1 Following the steps of chapter 6 of the standard FOSC-450D instruction. Continue installing the closure by positioning the GEL-END PIECE of the closure.

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