

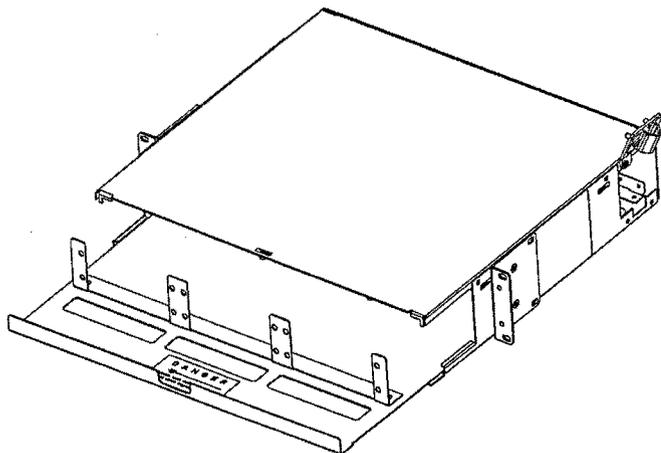


INSTALLATION INSTRUCTIONS XFM 2-RU Panel

PACKAGE CONTENTS

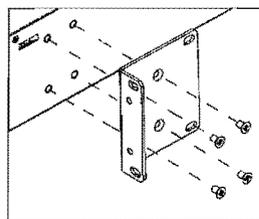
| DESCRIPTION | QTY |
|---------------------------------|-----|
| FOAM TAPE | 1 |
| #10-32 SCREW | 8 |
| #12-24 SCREW | 4 |
| CABLE CLAMP KIT | 1 |
| #6-32 SCREW | 2 |
| BRACKET-CABLE | 1 |
| BRACKET-MOUNTING UNIV. 19/23 | 2 |

TOOLS REQUIRED: Ring cutter, Scissors, Knife, Screwdriver, Pliers, Tape Measure, and Can wrench

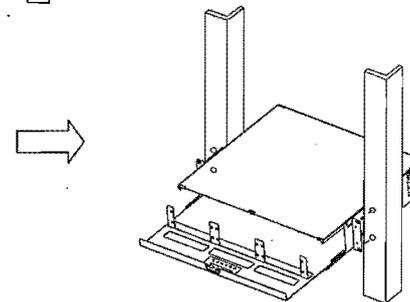


MOUNTING THE PANEL

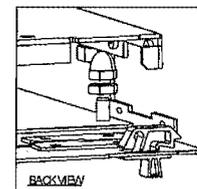
A Screw on side mounting brackets as shown below



B Mount panel to rack as shown below.

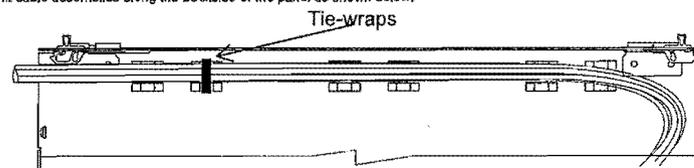


C You *may* need to remove the slide-out tray. This can be done by unscrewing the two nuts on the back corners of the tray. It is easier to remove these nuts when the tray is all the way inside of the panel. They can be loosened from the backside of the panel.

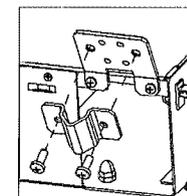


D Select the appropriate fiber preparation option from the instruction sheet.

E After the fiber has been properly prepared and routed place a tie-wrap around the incoming sub-unit cable assemblies along the backside of the panel as shown below.



F Secure cable clamp to panel. Secure incoming cable to clamp. If cable is too narrow then wrap with foam tape prior to insertion into the cable clamp.

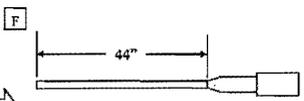
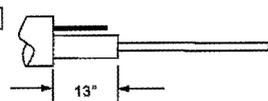
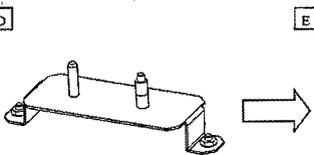
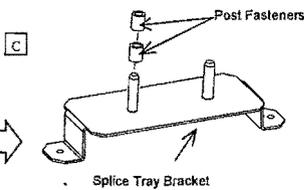
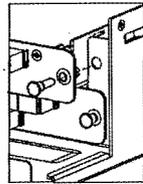
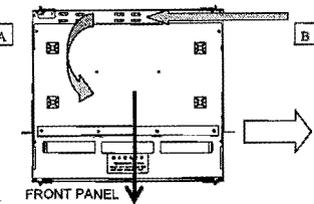


OPTION 1: PIGTAILS

Bring incoming cable *in through the back of the panel and out through the front*. Make sure that adequate slack is available for splicing.

Ensure that adapter plates are assembled onto the panel. The adapter plates can be secured by engaging the nylon plungers.

Screw the two *large* post screws into the splice bracket. Place four plastic post fasteners on each post screw of the splice tray bracket.



Mount the splice tray bracket to the tray by fastening the two nuts as shown above.

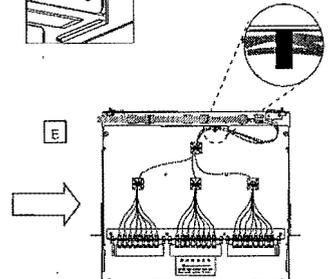
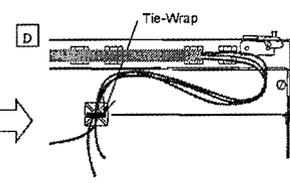
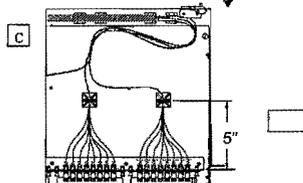
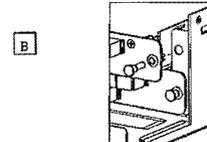
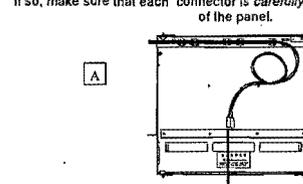
Prepare the cable such that 13" of sub-unit (or buffer tube) and 54" of tight buffer (or 250um fiber) is exposed. If Loose Tube cable is used then apply spiral wrap tubing to the 250 um fiber for added protection. Please keep in mind that 25" of tight buffer (or 250um fiber) will go directly into the splice tray.

Cut pigtails to a length of 44" (measured from the back of the boot)

OPTION 2: PRE-TERMINATED CABLE ASSEMBLY

Bring incoming cable *in through the back of the panel and out through the front*. The protective packaging covering the connectors may need to be removed to fit connectors in through the back of the panel. If so, make sure that each connector is *carefully* brought through the back of the panel.

Ensure that adapter plates are assembled onto the panel. The adapter plates can be secured by engaging the nylon plungers.



Plug the connectors into the adapter plates. Place a single cable tie mounting base 5" behind the center of each set of adapter plates. Route the 900um fiber back through these mounting bases as shown above.

Place a cable tie mounting base 2" in front of the center of the backside mounting plate on the tray. This point will secure the end of the sub-units.

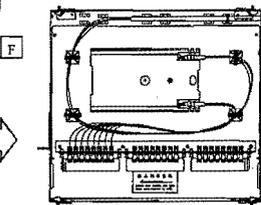
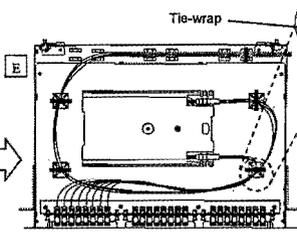
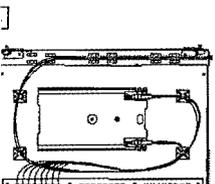
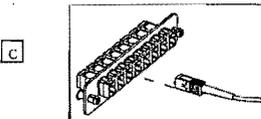
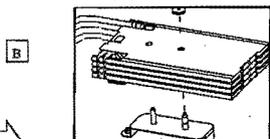
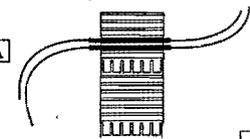
Place a tie-wrap on the backside mounting plate to secure the incoming sub-units. Please see above image for routing and placement.

OPTION 1: PIGTAILS (CONT'D)

Follow standard splicing procedure. Place completed splices in adhesive-backed splice chips when finished.

Mount splice tray to splice tray bracket. Secure splice tray to splice tray bracket using the provided thumb nut.

Plug connectors into the adapter plates.



Route the fiber as shown above

Apply cable tie mounting bases to the locations that are specified in the above image. Tie-wraps can be used to secure the fiber to the cable tie mounting bases.

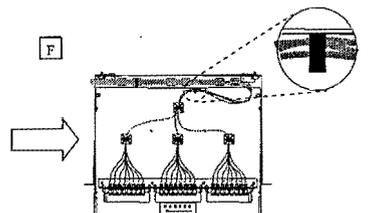
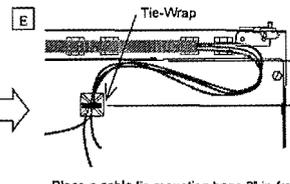
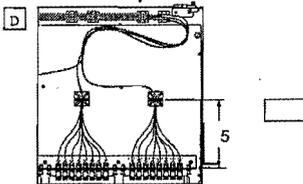
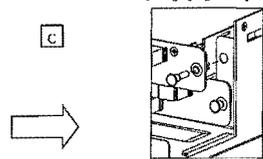
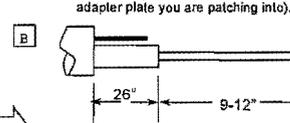
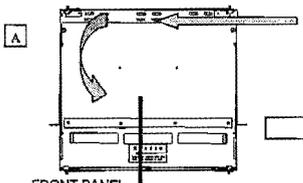
Please see above image for layout of completed assembly.

OPTION 3: FIELD-TERMINATED CABLE ASSEMBLY

Bring incoming cable *in through the back of the panel and out through the front*. Make sure that adequate slack is available for field-termination.

Prior to routing and securing the fiber to the panel, ensure that there is 26" of exposed sub-unit and an additional 9-12" of exposed 900um fiber (this varies based on which adapter plate you are patching into).

Follow procedure for selected field-installable connector. Ensure that adapter plates are assembled onto the panel. The adapter plates can be secured by engaging the nylon plungers.



Plug the connectors into the adapter plates. Place a single cable tie mounting base 5" behind the center of each set of adapter plates. Route the 900um fiber back through these mounting bases as shown above.

Place a cable tie mounting base 2" in front of the center of the backside mounting plate on the tray. This point will secure the end of the sub-units.

Place a tie-wrap on the backside mounting plate to secure the incoming sub-units. Please see above image for routing and placement.