Advanced Distribution Frame (ADF) Splitter Module

Installation Manual

Telect
CONNECTING THE FUTURE®

Advanced Distribution Frame (ADF) Splitter Module

Installation Manual 139253

About Telect

Telect offers complete solutions for physical layer connectivity, power, equipment housing and other network infrastructure equipment. From outside plant and central office to inside the home, Telect draws on more than 25 years of experience to deliver leading edge product and service solutions. Telect is committed to providing superior customer service and is capable of meeting the dynamic demands of customer and industry requirements. This commitment to customer and industry excellence has positioned Telect as a leading connectivity and power solution provider for the global communications industry.

Technical Support

E-mail: getinfo@telect.com

Phone: 888-821-4856 or 509-921-6161

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1.1 Overview

Telect's Advanced Distribution Frame offers high-density solutions for a comprehensive range of optical network applications. The High Density Splitter accommodates up to 192 output fibers by using individual 1x32 splitter modules. Scalable and easily installed, it is a highly effective solution for any application requiring high count fiber-optic splitters.

Figure 1 - ADF Splitter Module

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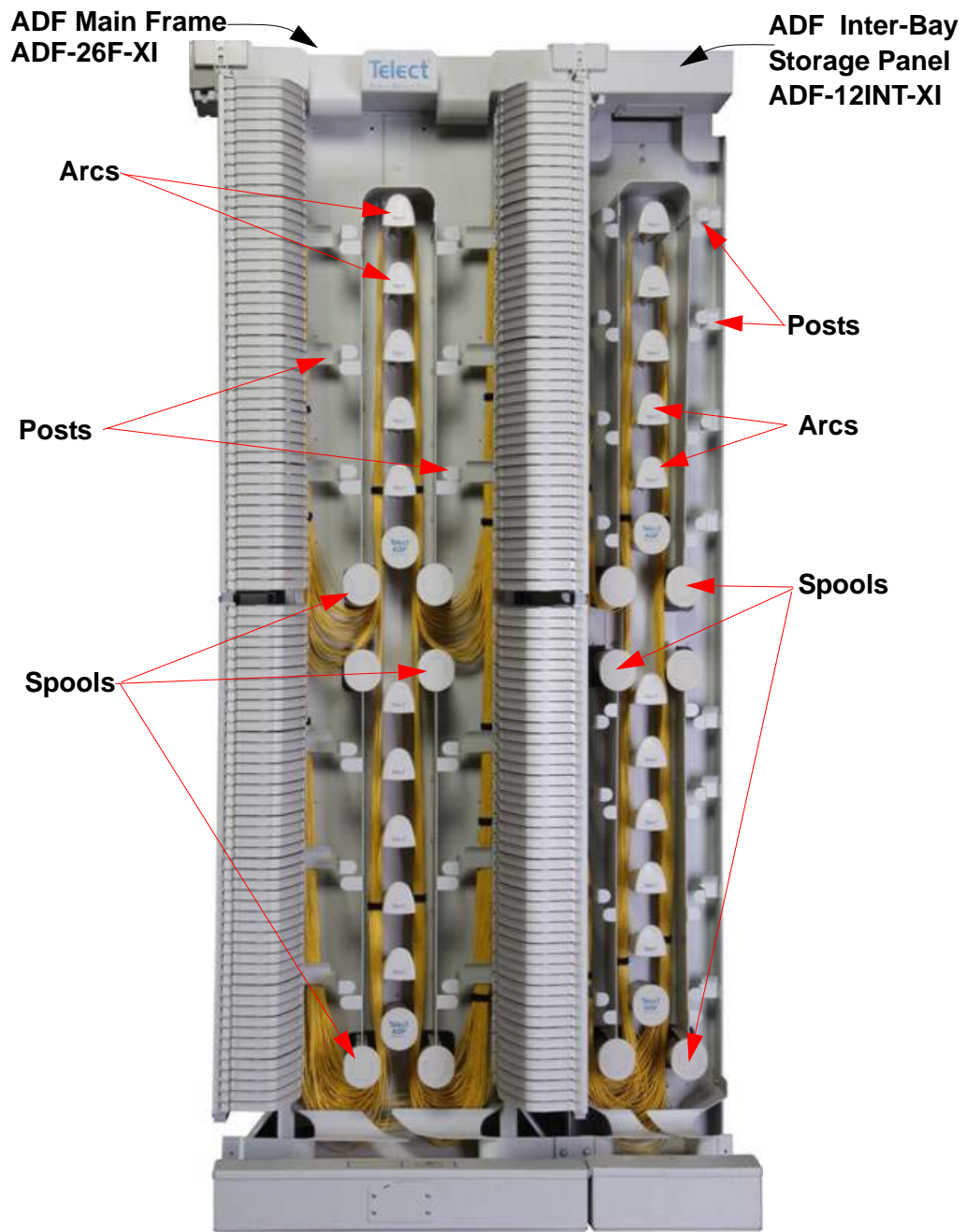
Figure 2 - ADF Components

1.2 Inspection

Please read these instructions carefully before beginning installation. If you need assistance, call Technical Support at 1-888-821-4856 (domestic calls), or 509-921-6161 (Option 2), or email us at getinfo@telect.com.

Inspect equipment after unpacking and compare it to the packing list.

Immediately report any shipping damage, defects, or missing parts to Telect at 1-800-551-4567. Keep all documentation that comes with your shipment.

Telect is not liable for shipping damage. If the product is damaged, notify the carrier and call Telect's Customer Service Department at 1-800-551-4567 (domestic only) or 1-509-926-6000 for further recourse.

NOTE: For service or warranty information, please visit telect.com website, or email inquiries to getinfo@Telect.com and click on the "Support" tab, or phone us at 800-551-4567 (domestic only) or 509-926-6000.

1.3 Installation

Please prepare your work area and ADF frame by ensuring it is installed correctly. For installation and preparation instructions, refer to the ADF User Manual, part number 119736-4, which can be found on Telect.com. (Search using the document number 119736-4.) This document was also included in the packaging for your ADF Frame.

1.3.1 Installing the Chassis onto the Main Frame

Procedure steps:

1. Locate the two grooves on the side of the ADF Frame in the position where you are planning to mount the module.
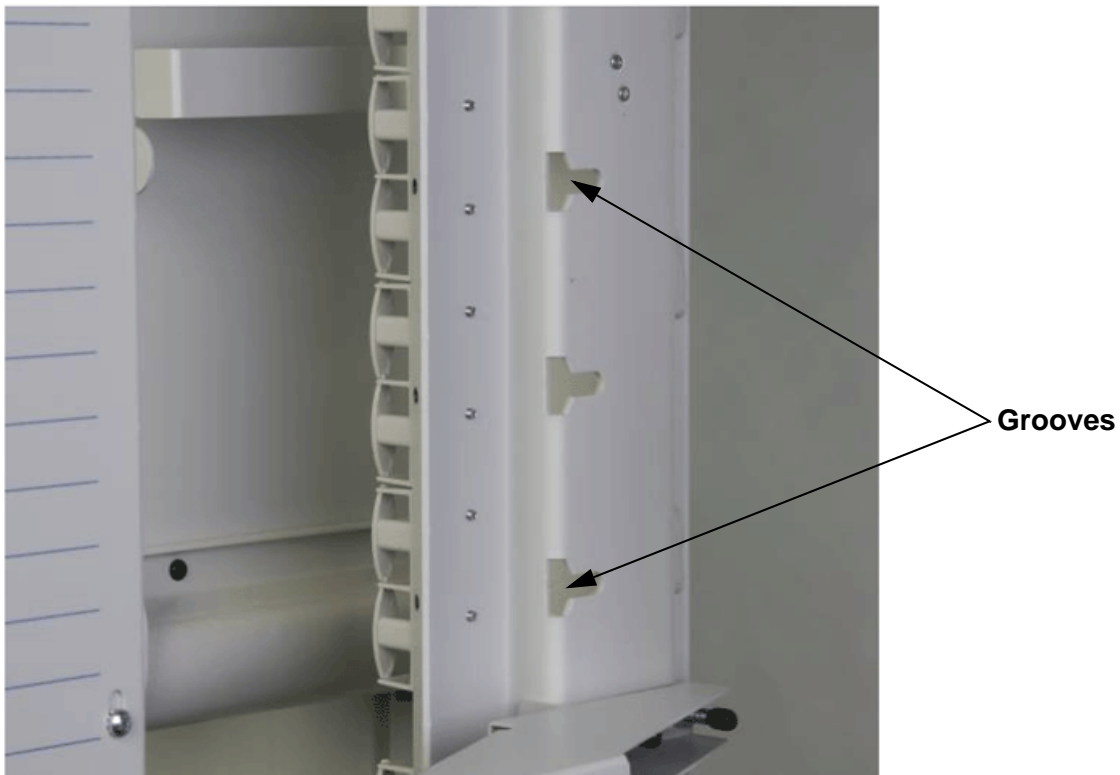
Figure 3 - Locating the Mounting Grooves

2. Locate the two mounting pegs on the rear of the module and position the mounting pegs over the grooves.

Mounting Pegs

Figure 4 - Locating the Mounting Pegs

3. Carefully slide the module towards the rear of the frame, making sure that the pegs are seated properly within the grooves.

Slide pegs into the grooves

Figure 5 - Seating the Pegs

4. Once the module is seated properly, snap the top tray and front cover into position.

Figure 6 - Snapping the Tray and Cover into Position

5. Secure the module within the frame by installing the two mounting screws on the front of the module using a large Phillips head screwdriver.

Figure 7 - Securing the Module

This procedure is complete.

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1.3.2 Installing the Parking Lots

Procedure steps:

1. Remove the existing hold backs on the left side of the Interbay Storage Panel (ISP). Keep the screws for installation of the parking lots.

Figure 8 - Removing the Hold Backs

2. Install the parking lot onto the Interbay Storage Panel (ISP) by tightening the four screws until the parking lot is secure. You can install parking lots in all four available locations on the ISP if desired.

Figure 9 - Installing Parking Lots

This procedure is complete.

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1.3.3 Installing Individual Splitter Modules into the Chassis

Procedure steps:

1. Remove the cover on the outside of the module by sliding it up off the pegs.

Figure 10 - Lifting off the Cover

2. Release the front of the cover and lift it up and off of each of the small pegs.
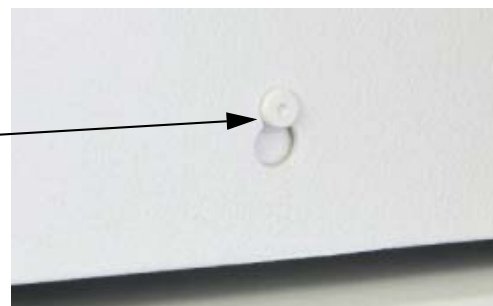
Pegs

Figure 11 - Lifting the Cover off the Pegs

Figure 12 - Lifting off the Cover, continued

3. Using the Telect Tray Removal Tool (part number 129461-1) or a screwdriver, release the black cable routing links for module position #1 (the lowest position) by pushing the button on the removal tool into the opening underneath the fixed link.

Fixed link

Step 1

Step 2

Fixed link

Step 3

Figure 13 - Releasing the Black Cable Routing Links

4. Open all link lids for the chain that you released.

Figure 14 - Opening the Link Lids
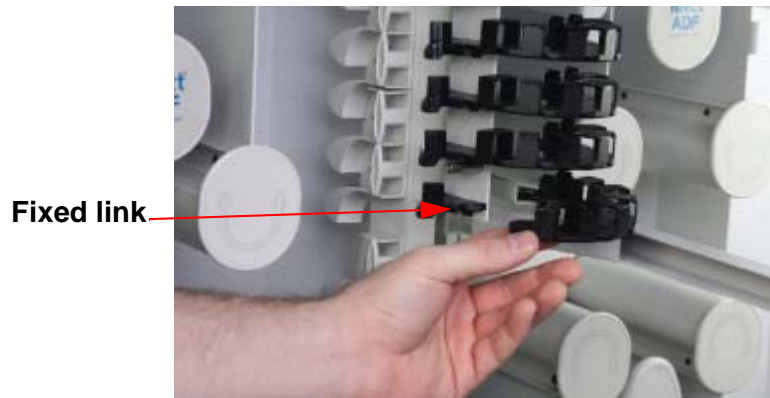
5. Make sure the hook-and-loop straps are open.

Figure 15 - Opening the hook-and-loop straps

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6. Install the splitter module into the first position, the lowest position, closest to the frame.

Figure 16 - Installing the Splitter Modules

7. Thread all the yellow output legs through the opened links, reserving the blue input fiber off to the side.

Figure 17 - Threading the Legs

8. Close all link lids, making sure to continue to support the cable bundle.

Figure 18 - Closing the Link Lids

Figure 19 - Closing the Link Lids, continued

9. Bring the cables to the inside of the frame.

Figure 20 - Bring in Cables

10. Making sure the oval-shaped cable retainer is open, pass the fibers above and below the oval-shaped cable retainer.
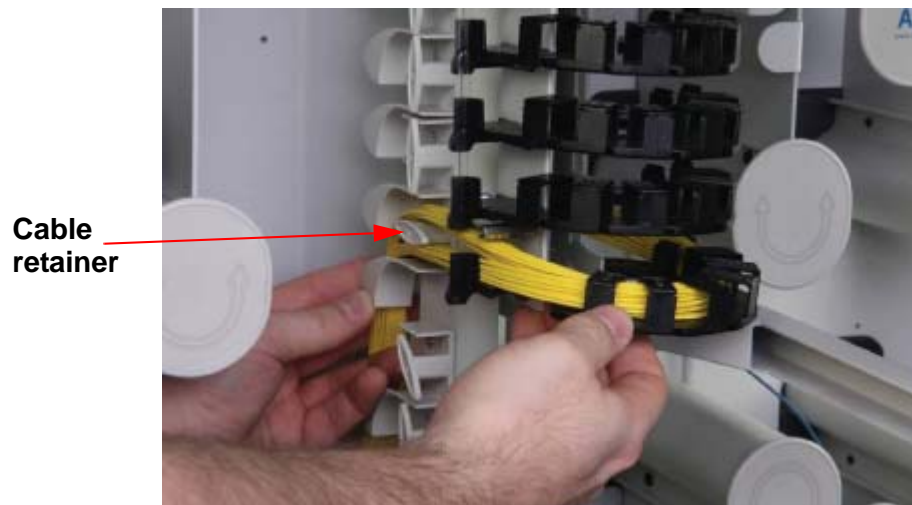

Cable retainer

Figure 21 - Passing the Fibers

11. Close the oval-shaped cable retainer to keep all fibers captive.

**Cable
retainer**

Figure 22 - Closing the Oval-shaped Cable Retainer

12. Latch the link chain back into the location from which you previously removed it.

Figure 23 - Latching the Link Chain

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13. Route the fiber cable down the ADF and over to the Interbay Storage Panel (ISP) where the parking lots are installed.

Figure 24 - Routing the Fiber Cable

14. Use the center storage on the ISP to store excess cable as needed to allow access to the parking lot locations.

Figure 25 - Storing Excess Cable

15. Install fiber connectors into the parking lot to store until needed on the frame.

Figure 26 - Installing Fiber Connectors

16. Route the blue input fiber by threading the fiber below the yellow output fibers.

Figure 27 - Routing the Input Fiber

17. Route the input line through the black routing guide, as shown below.

Black Routing Guide

Figure 28 - Routing the Input Line

18. Insert the connector into the first adapter in the tray.

Figure 29 - Inserting the Connector

Figure 30 - Inserting the Connector, continued

19. Close the routing area on the side of the tray.

Figure 31 - Closing the Routing Area

20. Secure all hook-and-loop straps to keep the input line secure.
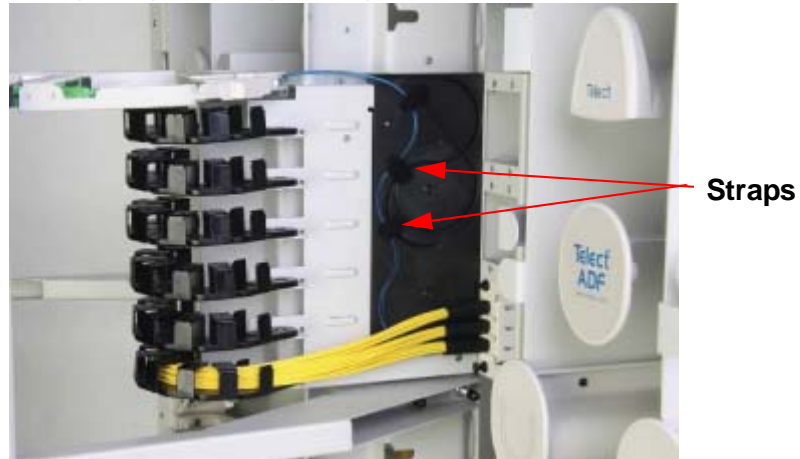

Straps

Figure 32 - Securing the hook-and-loop straps

21. For modules in the third and fourth positions, follow the routing shown in the figure, below.

Figure 33 - Routing the Wires for the Third and Fourth Positions

22. For modules in the fifth and sixth position, place a loop in the fiber before routing, as shown in the following figure.

Figure 34 - Routing the Wires for the Fifth and Sixth Positions

23. Gently place fiber in the routing guide.

Figure 35 - Inserting Fiber into the Routing Guide

Figure 36 - Inserting Fiber into the Routing Guide, continued

This procedure is complete.

To order, or for more information on the Advanced Distribution Frame (ADF), please contact your Telect Sales Representative or visit Telect.com.