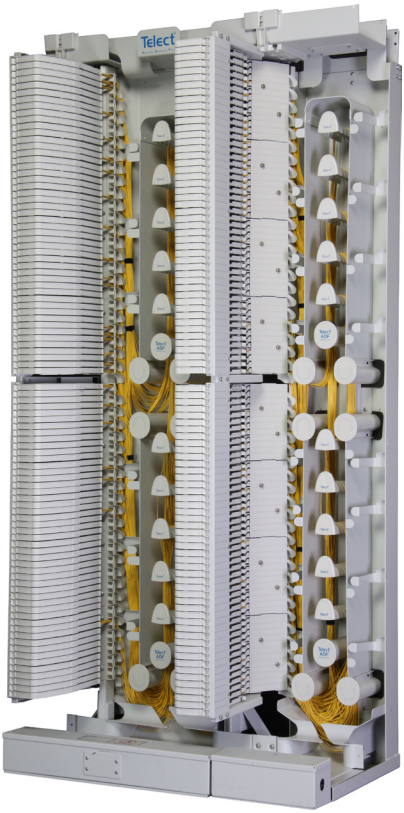
Telect Advanced Distribution Frame

Telect's Advanced Distribution Frame (ADF) provides the ultimate high-density platform for fiber optic patching, cross-connecting and cable management. This guide provides the simple steps for on-frame cable routing, with patch cords cross-connected from trays on one side of the frame to the other and routed in a "W" shape through the cable management system.

The cable management system on the frame provides more than sufficient space for protective cable routing and slack storage. For high-density lineups, dedicated inter-bay storage panels provide additional space for cable management.



Telect®
CONNECTING THE FUTURE®

ADF Cable Routing Step-by-Step Instructions

1. Slide out the two trays (one on the left side of the frame, and one on the right) that need to be cross-connected and remove the top cover (if present).

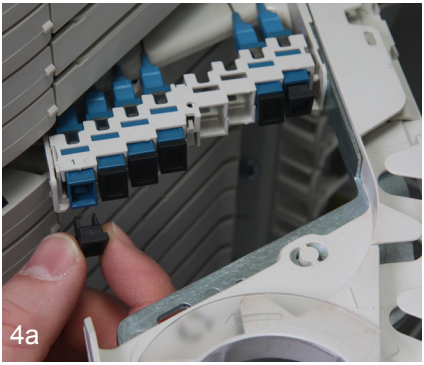
ADF Cable Routing Step-by-Step Instructions

2. On both trays, open the inside edge access plates.

ADF Cable Routing Step-by-Step Instructions

3. On both trays, rotate the clear designation channel cover a half-turn to allow access to the fiber channel. For trays on the left side of the frame, rotate the channel cover counter-clockwise; for the right side of the frame, rotate clockwise.

ADF Cable Routing Step-by-Step Instructions



4. In the first tray, remove the dust cap from the appropriate adapter and insert the fiber cable connector.

ADF Cable Routing Step-by-Step Instructions

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5. Route the cable within the dedicated channel until it reaches the rear of the tray.

6. Close the inside edge access plate on the tray. Rotate the clear designation channel cover back into place (same direction as in step 3).


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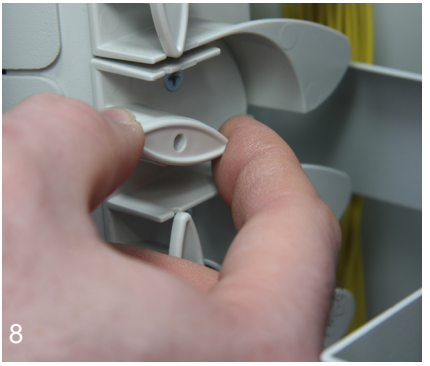
6b

ADF Cable Routing Step-by-Step Instructions

7. Slide the tray laterally to close it.

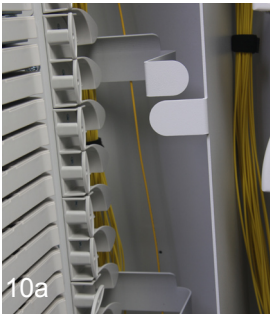
8. Rotate the oblong-shaped “gate” to a horizontal position.

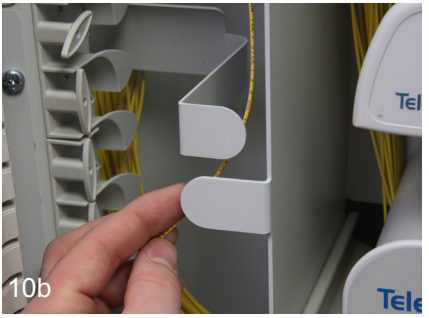


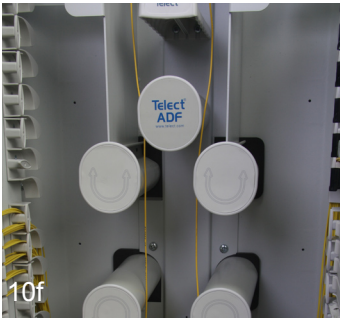
ADF Cable Routing Step-by-Step Instructions

9. Route the cable between gates and down into the cable management channel, then return each gate to its original (vertical) position.

ADF Cable Routing Step-by-Step Instructions





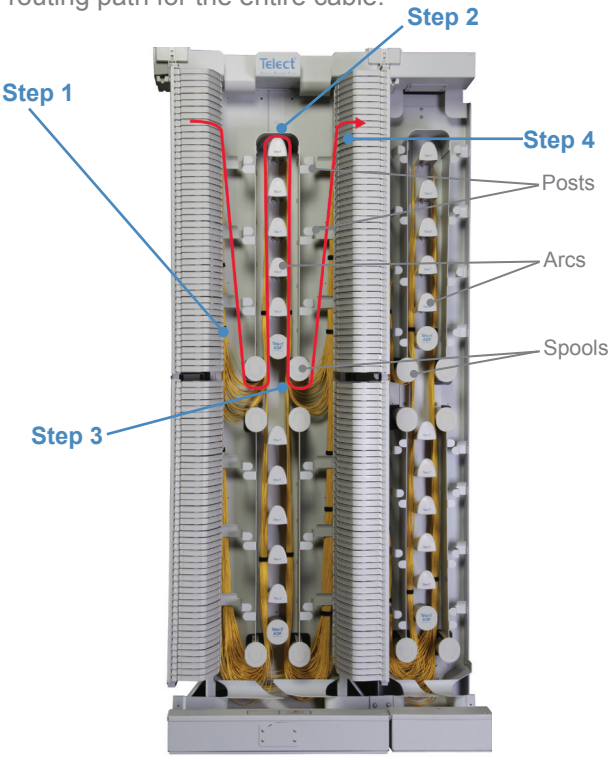


10. Route the cable to the appropriate tray on the other side of the ADF using the recommended “W” routing pattern. Use the posts, spools, and arcs as guides to route the cables.

ADF Cable Routing Step-by-Step Instructions

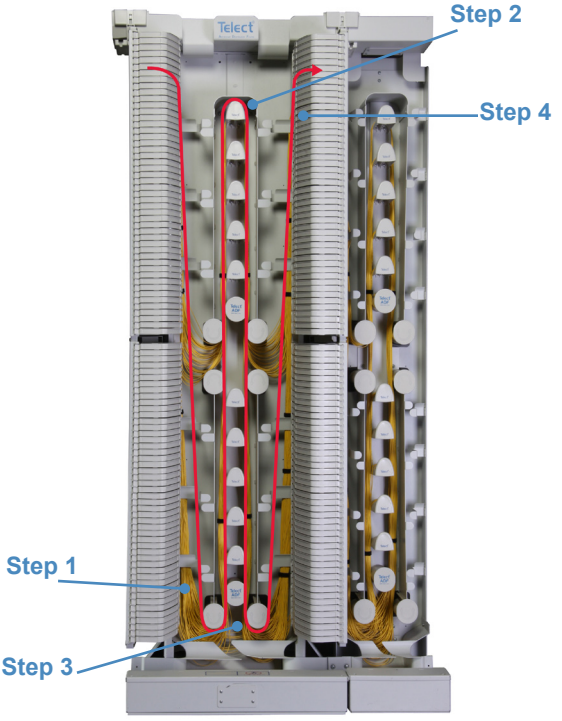
Use the following instructions to create the “W” pattern:

1) Carefully route the fiber cable down the channel behind each post and around the first appropriate spool.
2) Route the fiber cable up and over any arc that will take up the desired amount of slack.
3) Route the fiber cable down and around the second spool.
4) Carefully route the fiber cable up and behind the posts to the desired module tray. The result will be a “W” shape routing path for the entire cable.



Example “W” cable routing pattern for a 2- to 3-meter patch cord.

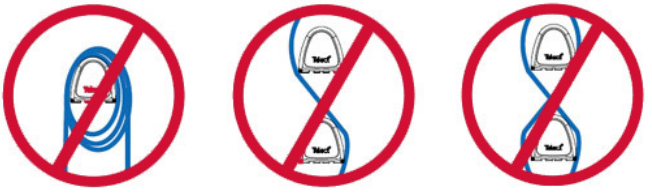
ADF Cable Routing Step-by-Step Instructions



Example “W” cable routing pattern for
a 4-meter (or longer) patch cord

(!)ALERT

To minimize signal attenuation, make the least number of switchbacks as possible when routing fiber cable. NEVER WRAP, WEAVE, CRISS-CROSS, or “FIGURE 8” the fiber cables.



ADF Cable Routing Step-by-Step Instructions

Once the appropriate length “W” pattern is complete, you will need to connect the cable to the other side of the ADF.

11. Rotate the oblong-shaped “gate” to a horizontal position.

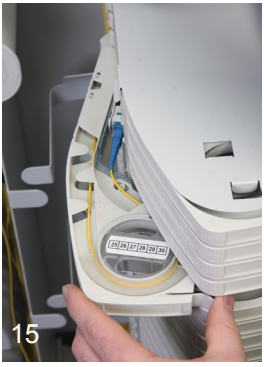
12. Route the cable between gates and up toward the tray, then return each gate to its original (vertical) position.

ADF Cable Routing Step-by-Step Instructions

13. Route the fiber cable into the dedicated channel towards the front of the tray, remove the dust cap from the appropriate adapter, and then insert the fiber cable connector.

ADF Cable Routing Step-by-Step Instructions

14. Close the inside edge access plate on the tray. Rotate the clear designation channel cover back into place (same direction as in step 3). Slide the tray laterally to close it.



15. Repeat this process as necessary until all the fiber cables have been installed. Ensure all trays are closed and in place within the frame.