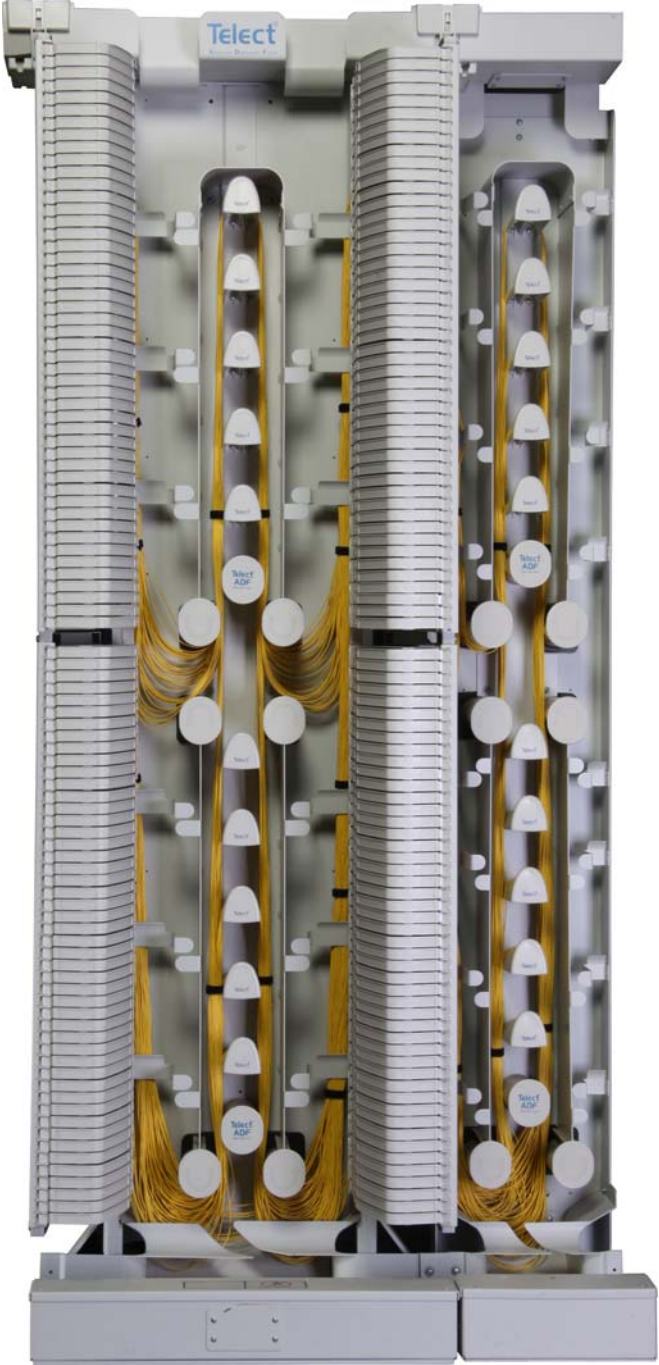


Advanced Distribution Frame (ADF) Module Installation and Fiber Routing Guide



Manual #137828

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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 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

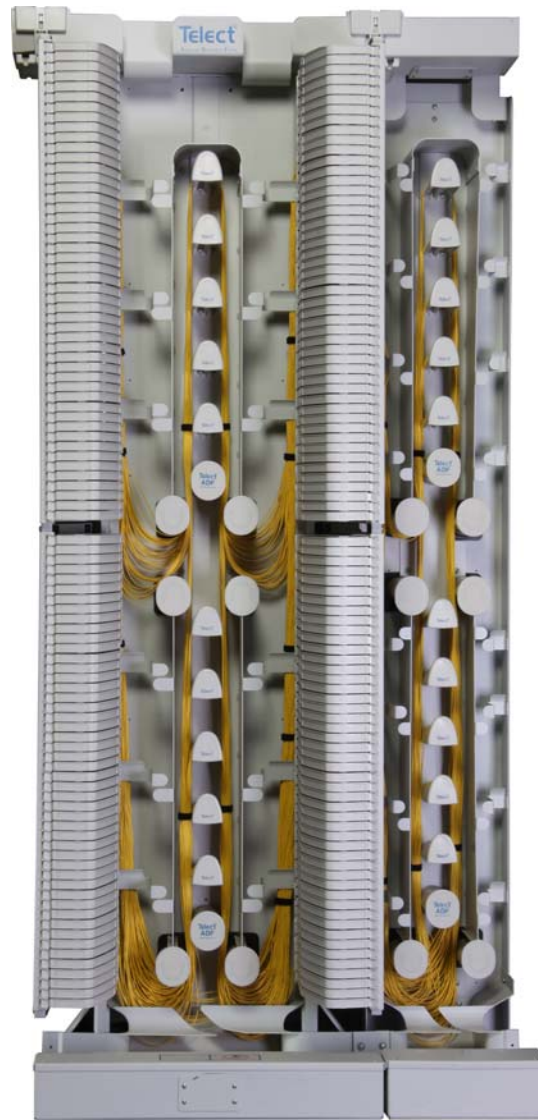
Advanced Distribution Frame (ADF) Module Installation and Fiber Routing Guide

INTRODUCTION

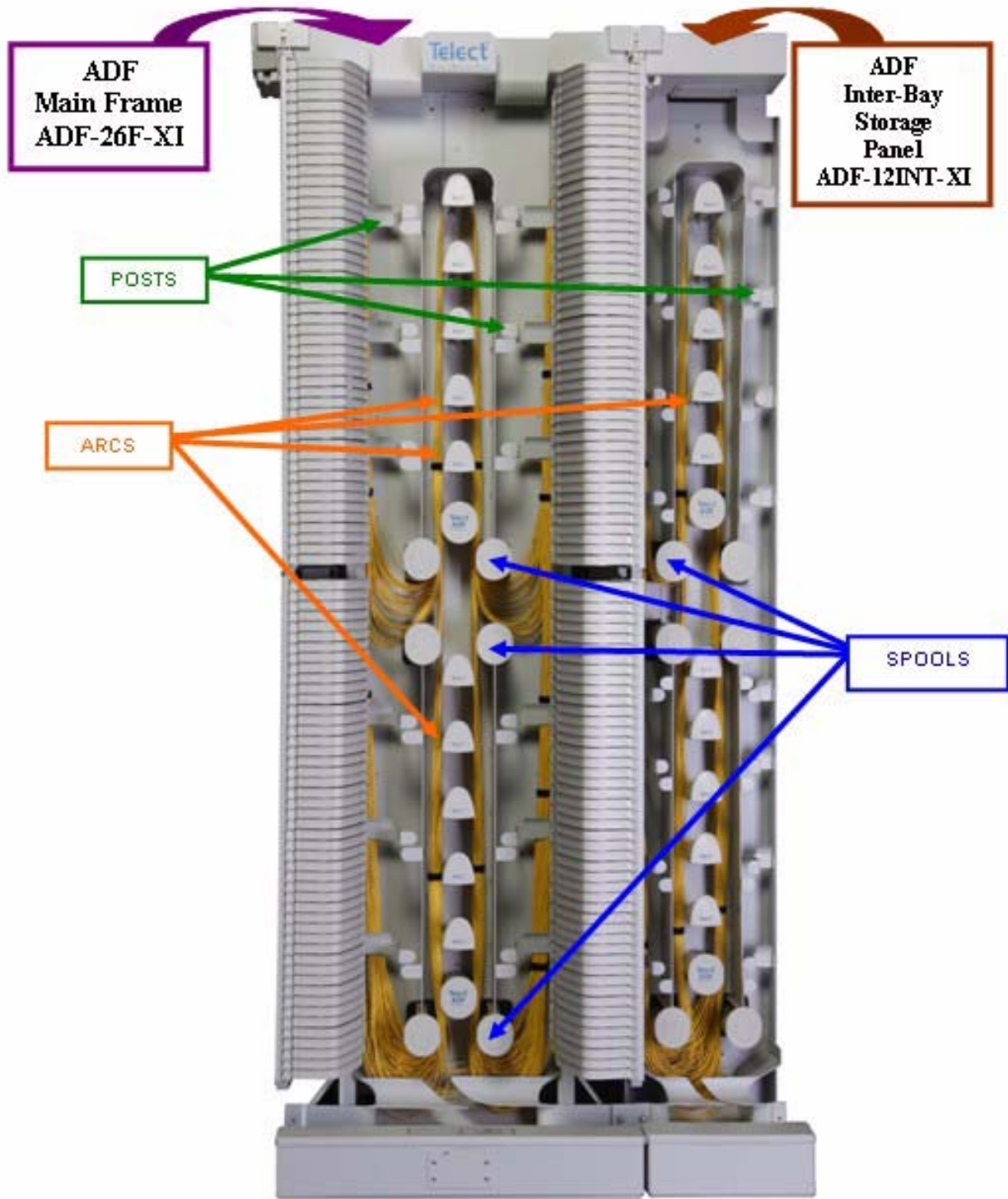
The Telect Advanced Distribution Frame (ADF™) is a total front access modular distribution solution engineered to effectively manage high-density fiber applications and provide maximum cable routing flexibility.

Equipped with posts, spools, and unique arcs with wave-like ridges for grouping patch cords, the ADF efficiently manages 30mm bend radius protection throughout the entire frame. Users can connect any two points within the frame with a 4.5-meter patch cord; however, the ADF accommodates many different lengths of patch cords.

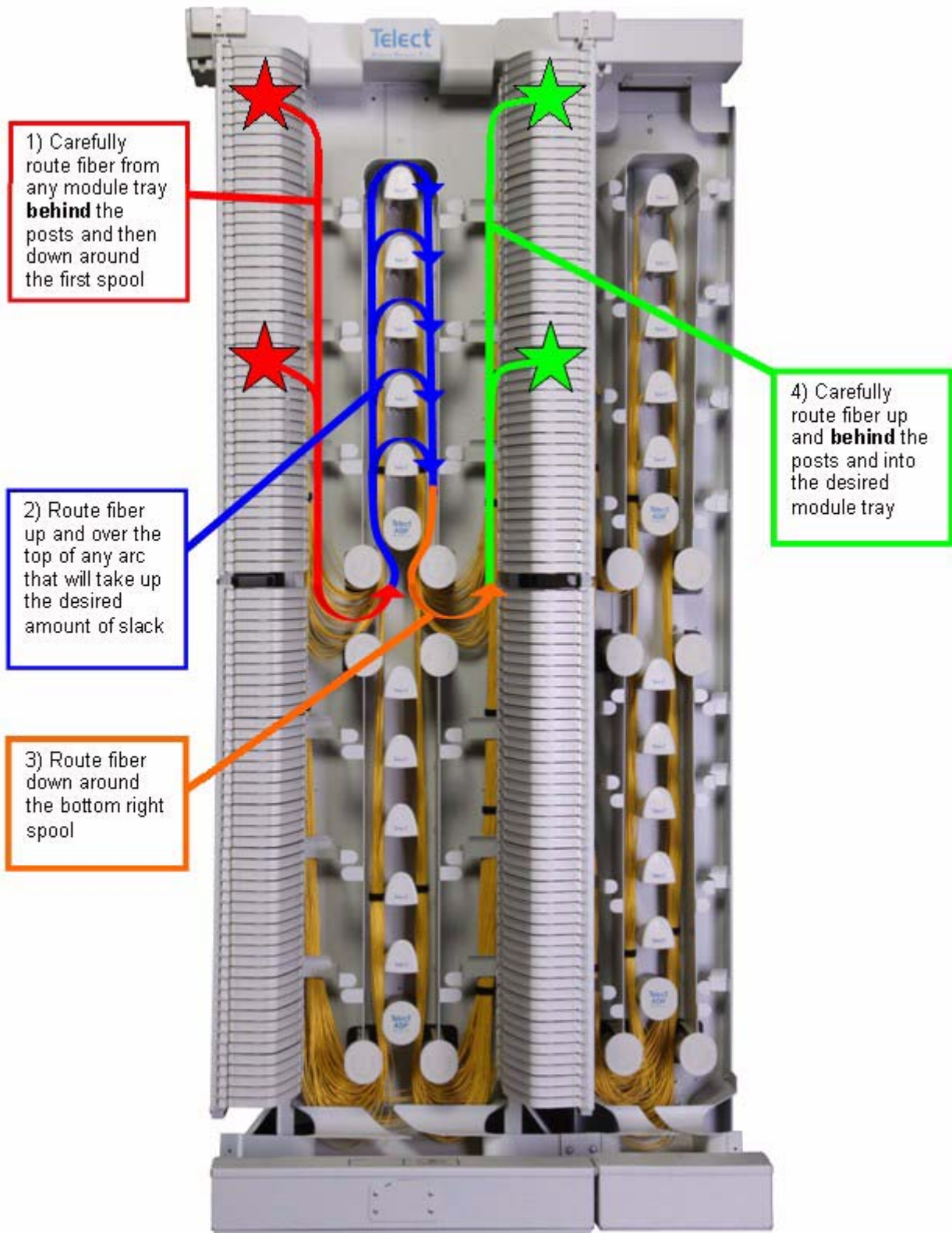
This document will describe the cable management components of the ADF, highlighting cable routing applications, proper installation of a module into the ADF frame, and proper installation of inter-facility cable (IFC) into an ADF IFC module.



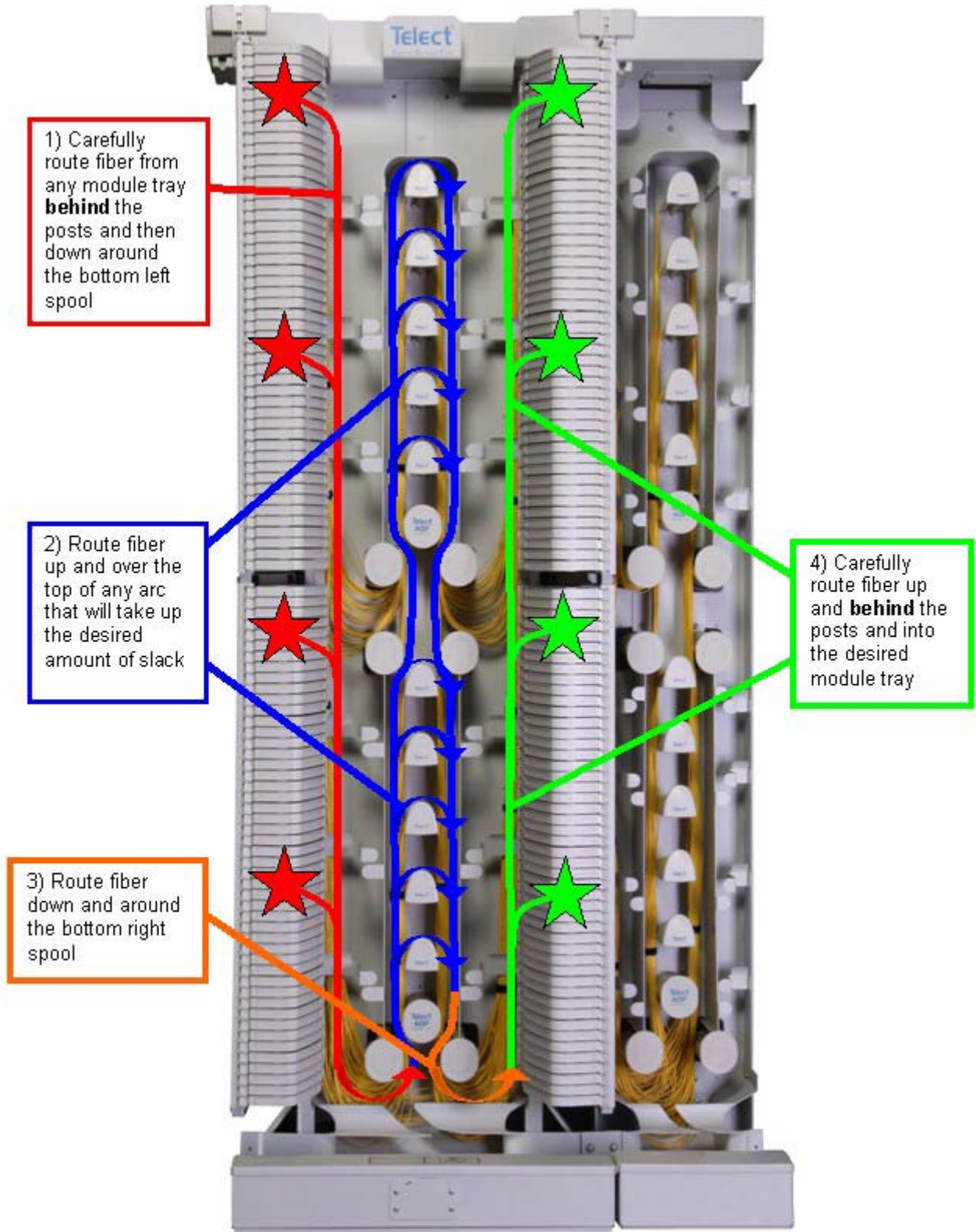
CABLE MANAGEMENT COMPONENTS



TYPICAL CROSS-CONNECT ROUTING FOR 2- TO 3-METER PATCH CORD

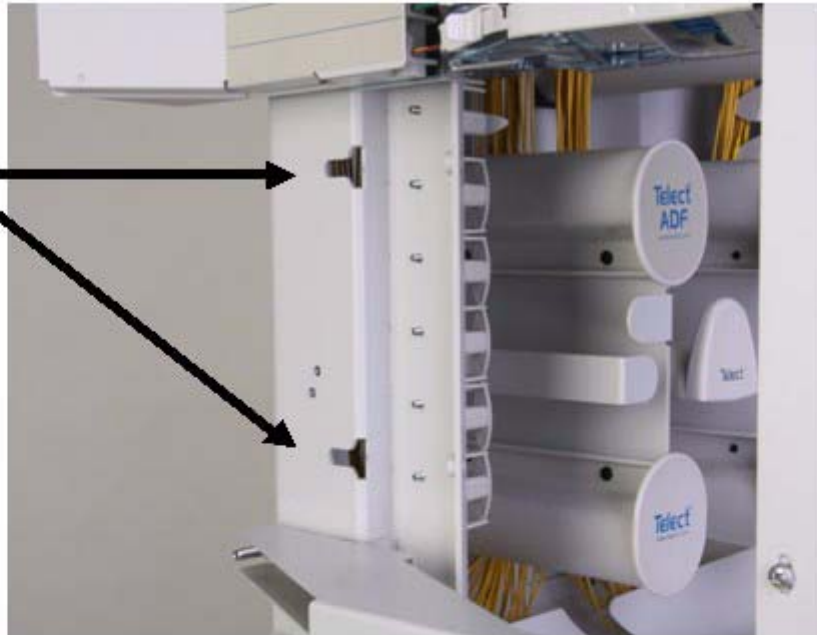


TYPICAL CROSS-CONNECT ROUTING FOR 4-PLUS METER PATCH CORD



INSTALLATION OF A MODULE ONTO THE MAIN FRAME

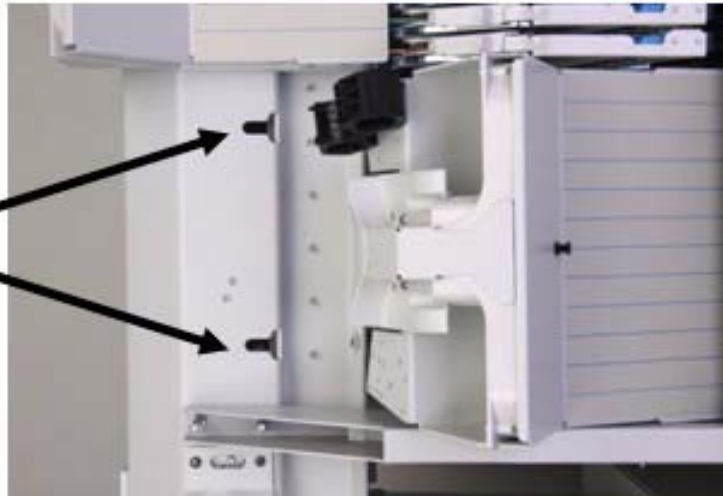
Step #1)
Locate the two
grooves on the
side of the ADF
Frame in the
position where
the module is to
be mounted.



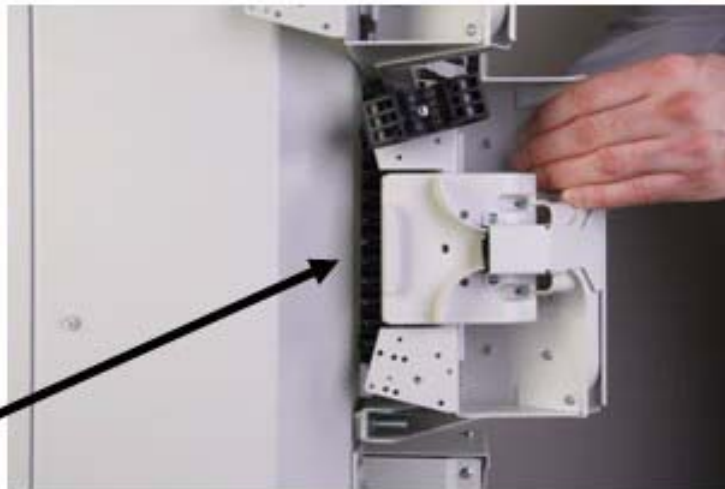
Step #2)
Locate the
two mounting
pegs on the
rear of the
module.



Step # 3)
Position the
module to ensure
that the pegs on
the rear of the
module will
properly slide into
the grooves on
the Main Frame.



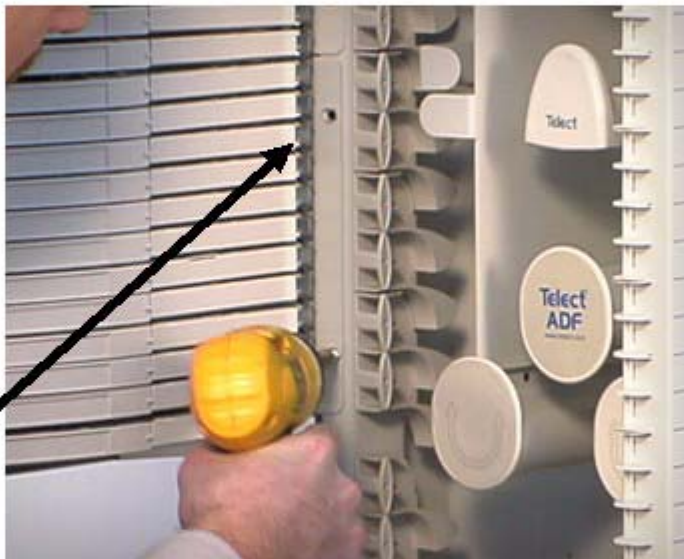
Step # 4)
Slide the
module towards
the rear of the
frame, making
sure the pegs
are in the
grooves, until it
is seated
properly.



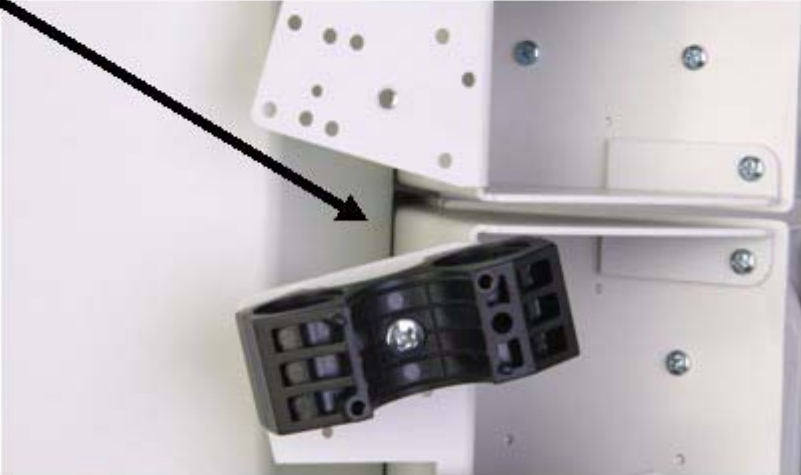
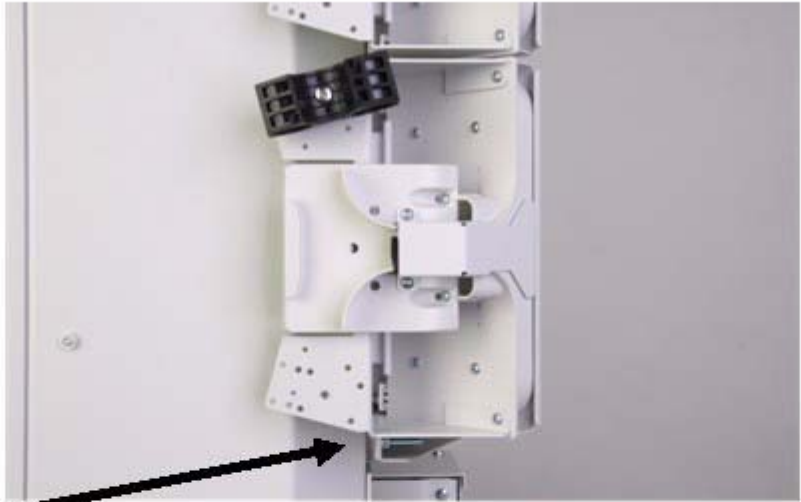
Step #5)
Carefully close all
the individual trays,
making sure that
they seat and snap
into place properly.



Step #6)
Secure the module
within the frame by
installing the two
mounting screws on
the front of the
module using a large
Phillips head
screwdriver.



NOTE:
When proper
installation is
achieved, there
should be no
space between
the module and
the main frame
as pictured here

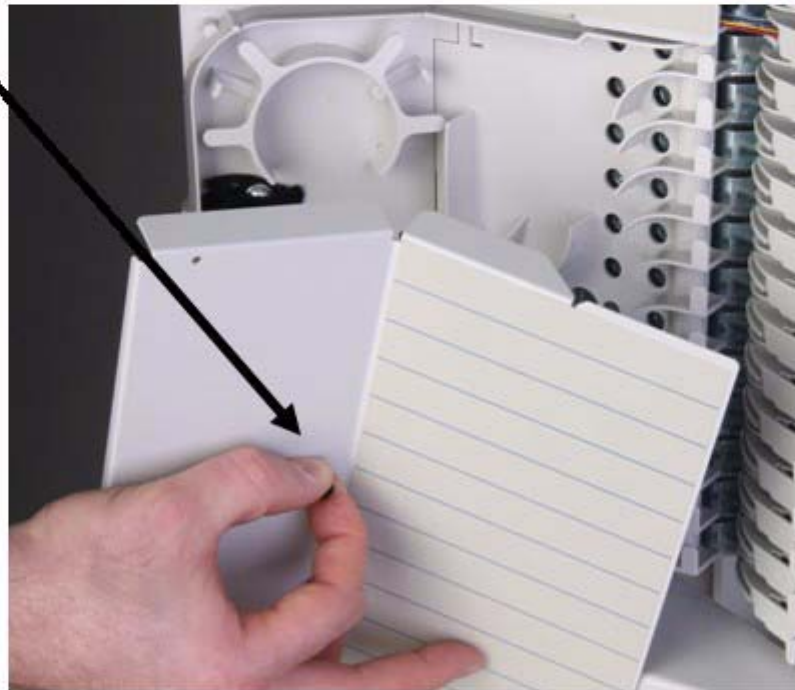
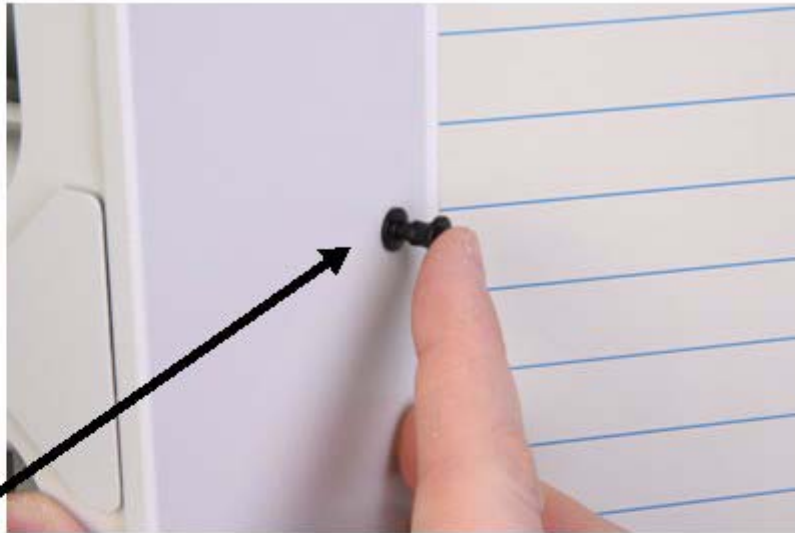


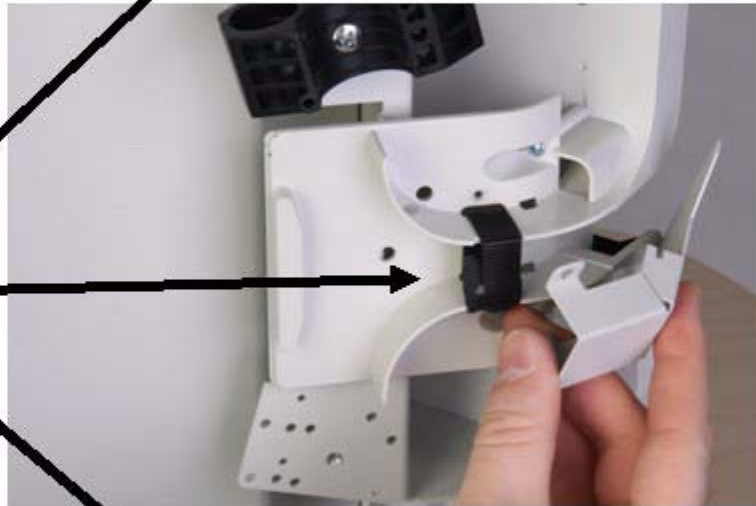
INSTALLATION OF MULTI-FIBER/INTER-FACILITY CABLE (IFC) INTO MODULE

Step #1)
Release the trays in the module directly above the module where the multi-fiber cable is to be installed and swing them to a wide open position in order to provide the space necessary for cable installation.



Step #2)
Remove the
access plate at
the rear of the
module where
the cable is to
be installed by
carefully pulling
up on the black
plunger.





Step #3)
Remove the
channel cover
plate at the rear of
the module by
removing the two
small screws
using a small
Phillips Head
screwdriver, and
then open the
Velcro strap.

Step #4)
Open the two
Velcro straps
inside the
900um routing
area.



Step #5)
Open the slide at
the back of the
tray where the first
sub-unit of the
multi-fiber cable
will be installed.

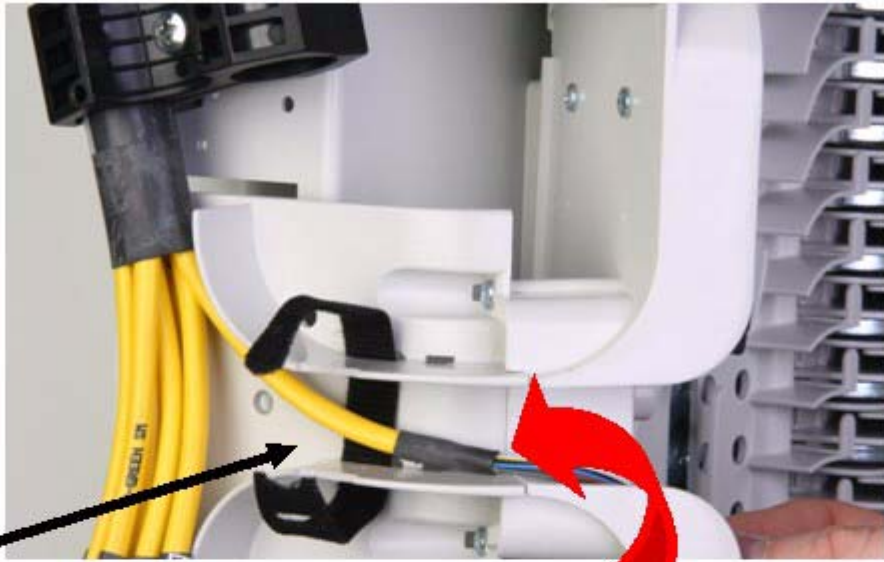


Step #6)
Remove the top of
the cable clamp
by removing the
single screw using
a large Phillips
Head screwdriver.



Step #7)
Place cable in
the small half of
the clamp and
then reinstall the
screw to hold
the cable
securely.



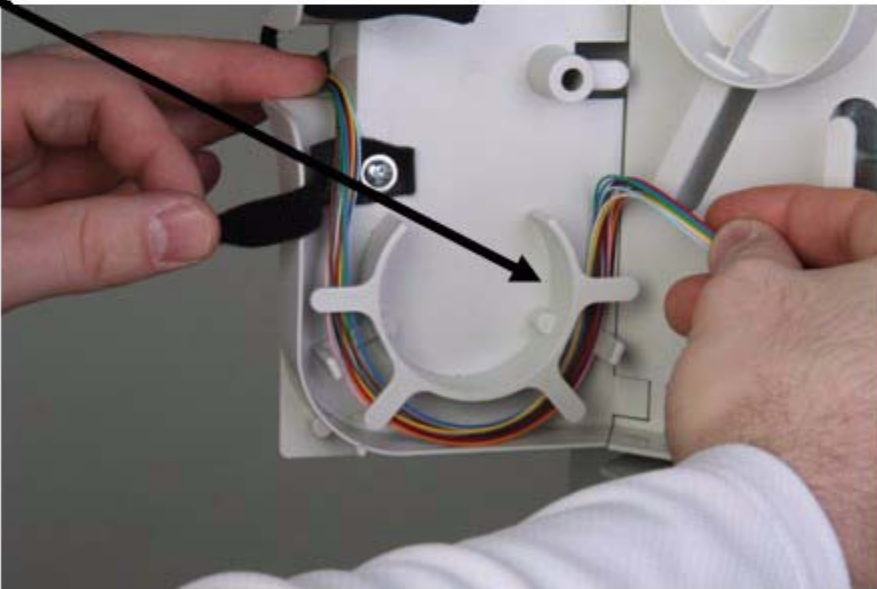
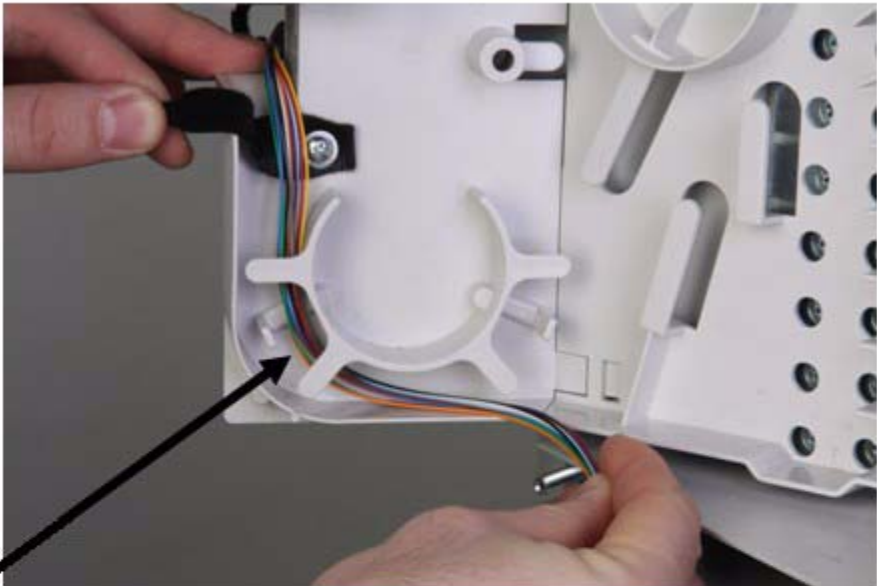


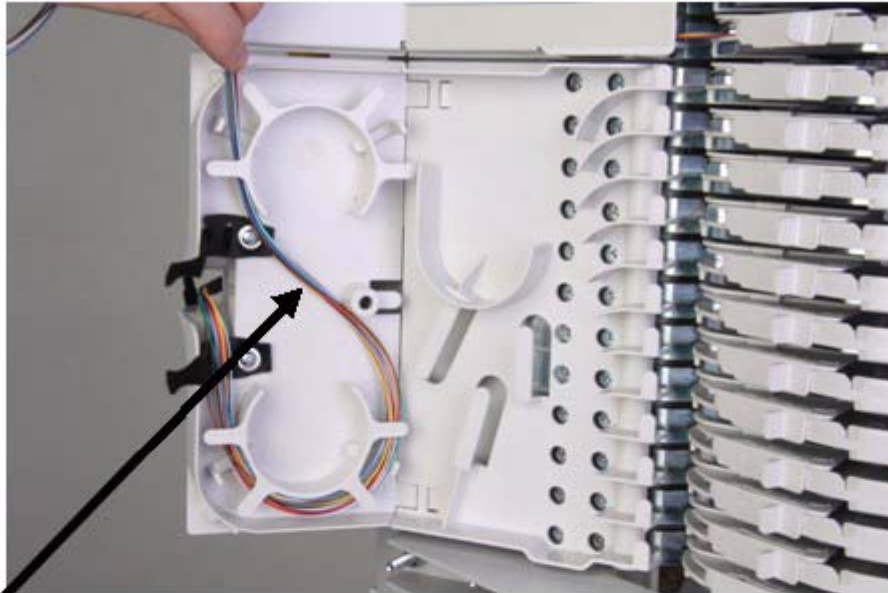
Step #8)
Locate Sub-unit
to be installed
and carefully
route it from the
back of the
module into the
900um
management
area.

NOTE: Heat shrink on Sub-units should not go beyond this line/point or bend radius violations may result in insertion loss.

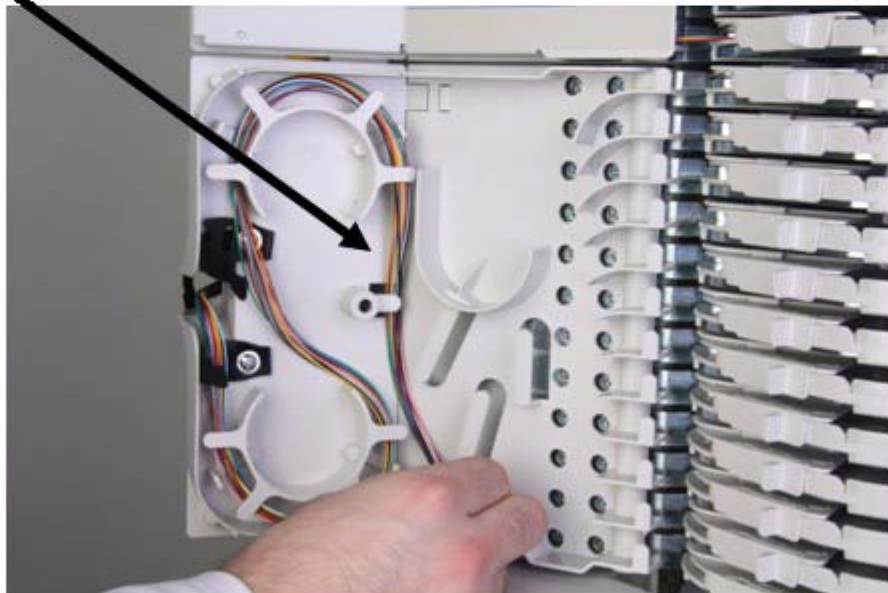


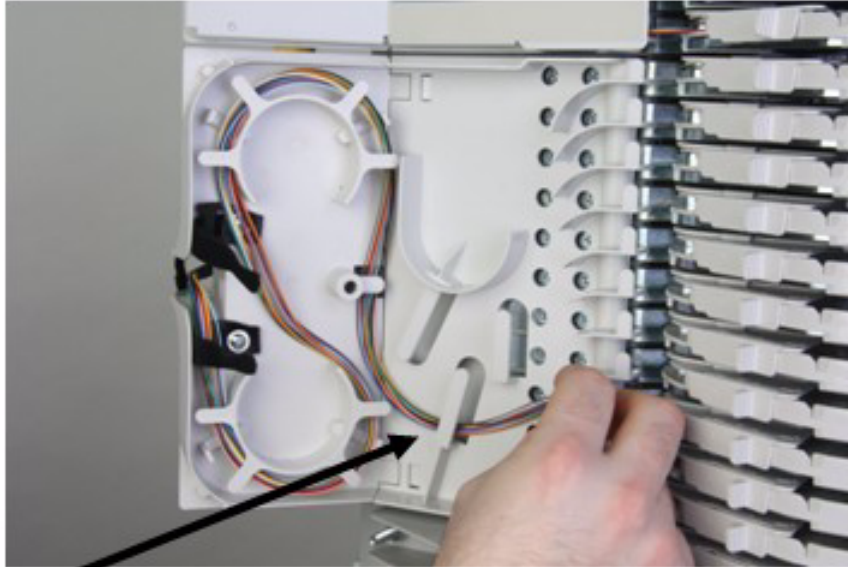
Step #9)
Continue to carefully route 900-um fiber around the bottom spool, making sure all 900um fiber is inside the provided guide posts.





Step #10)
Continue to
carefully route
900um fiber up
and around the
top spool
making sure
that all fibers
are inside the
posts on the
spool.





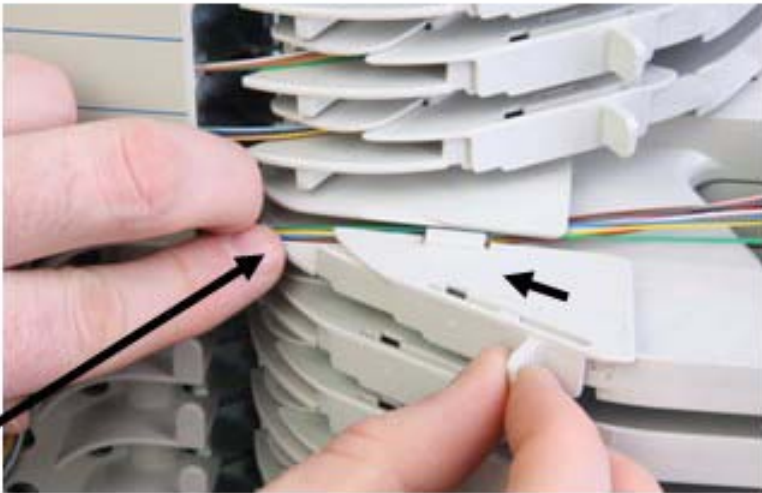
Step # 11)
Continue to
route 900um
fiber into
remaining guide
posts and
towards the
desired tray.



Step # 12)
Route the
900um fiber
bundle over the
final post and
into the desired
tray.

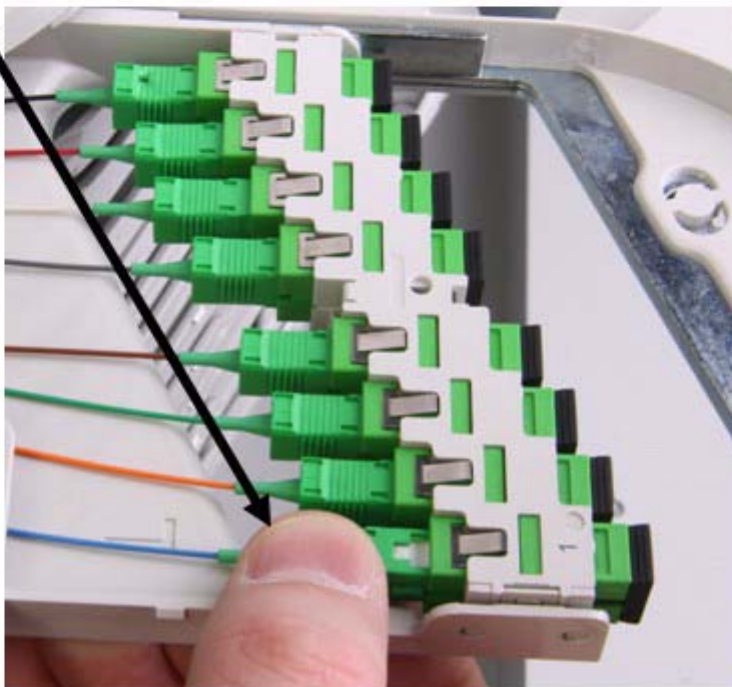
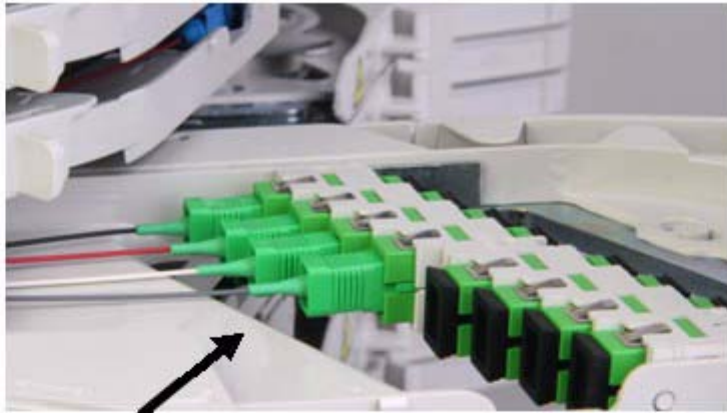


Step # 13)
Close the slider,
holding the
fibers out of the
way to ensure
that fibers are
not pinched or
broken.



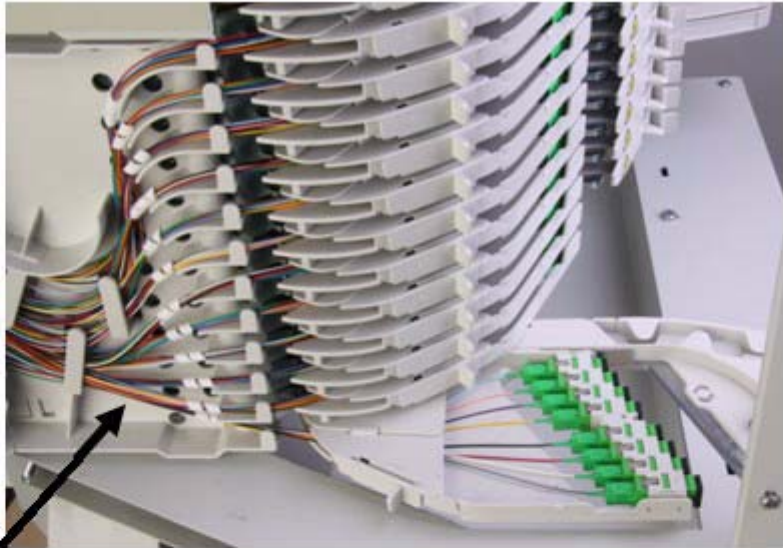
Step #14)
Remove the
dust cap from
the adapter,
then carefully
install the
individual fiber
in the desired
location.





Step #15)
Repeat Step #
14 until each
individual fiber
is in the correct
location
according to the
desired
configuration.

Step #16)
Repeat Steps
8 – 15 until all
cable sub-units
have been
installed into the
module
according to the
desired
configuration
and close all
module trays.

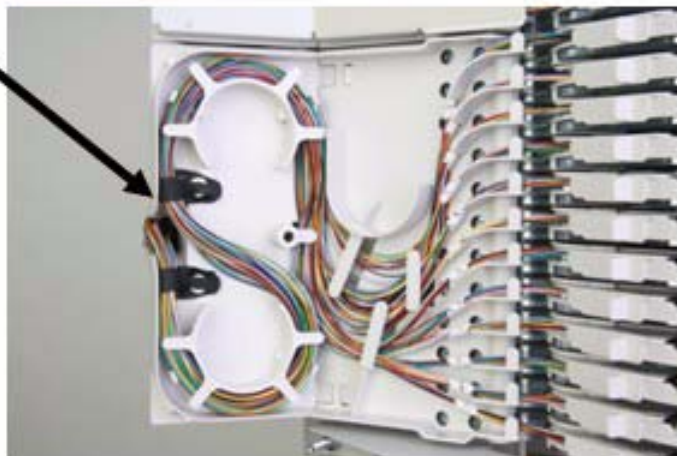
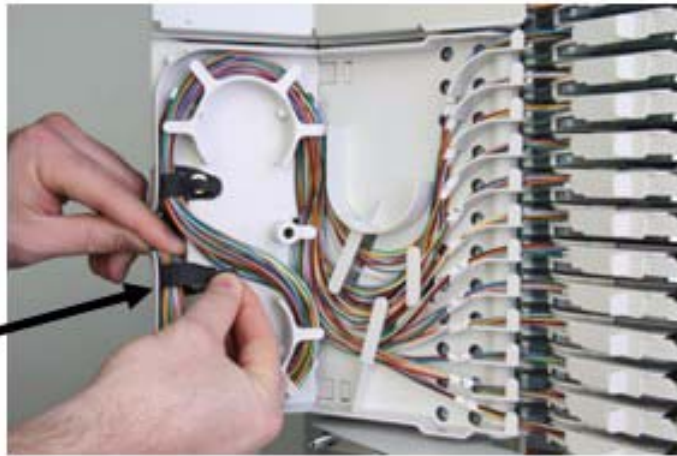




Step #17)
After the final
cable sub-unit
has been
installed, re-
strap the Velcro
around the sub-
units at the rear
entry port of the
module.



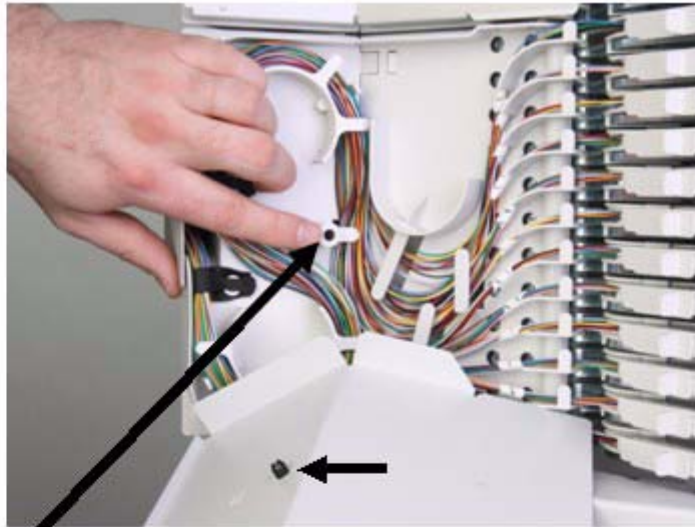
Step # 18)
Making sure all
the 900um fiber
is bundled
together,
re-strap the
Velcro around
the fibers and
inspect the
management
area one final
time for any
fibers that may
need to be
addressed.



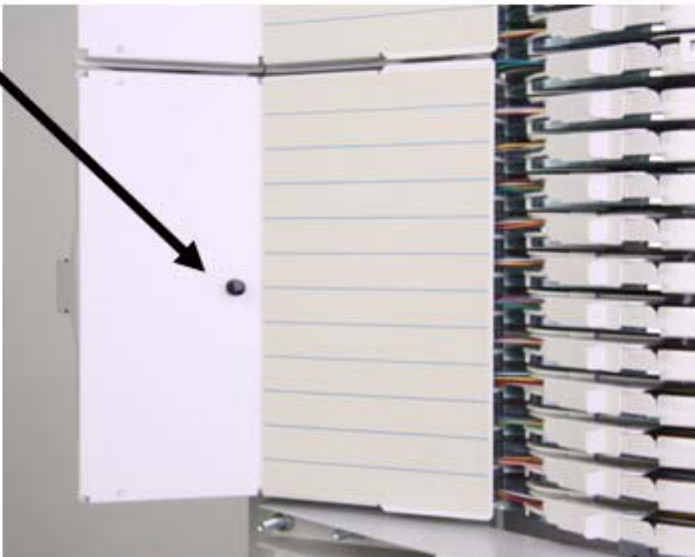


Step #19)
Replace the
channel cover
plate at the rear of
the module with
the two small
screws, using a
small Phillips
Head screwdriver.





Step #20)
Replace the
Access Plate by
lining up the black
plunger with hole
in the center of
the 900um
management area
and pushing it
until it snaps into
place.



Telect provides pre-loaded ADF Modules to accommodate many different configurations for varied applications.

For ordering information or more details on the ADF, call Telect at 800.551.4567 or visit Telect.com.