molex

INSTALLATION INSTRUCTIONS

BEFORE INSTALLING OR ADJUSTING THIS PRODUCT,
PLEASE READ THESE INSTRUCTIONS CAREFULLY.
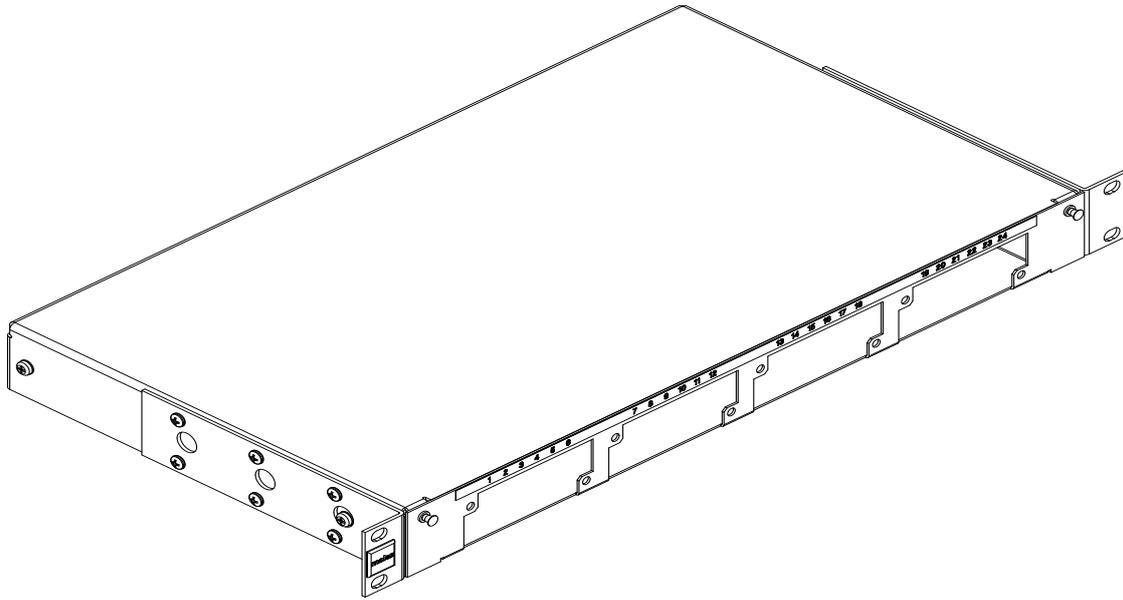PLEASE KEEP THIS GUIDE FOR FUTURE REFERENCE

RFR-00082 – 1U 24 PORTS CONFIGURABLE FIBER SLIDING DRAWER

1.0 SCOPE:

This document is intended to describe the installation instructions for CONFIGURABLE FIBER SLIDING DRAWER 24P

2.0 PRODUCT DESCRIPTION:

24 PORT CONFIGURABLE FIBER SLIDING DRAWER

3.0 PROCEDURE:

DIRECTION BELOW APPLY SPECIFICALLY TO THE ENCLOSURE

3.1 Installing adjustable mounting angles (Fig.1)

- The mounting brackets can be installed in one of two positions which affects the depth of the enclosure when installed in the rack or cabinet.
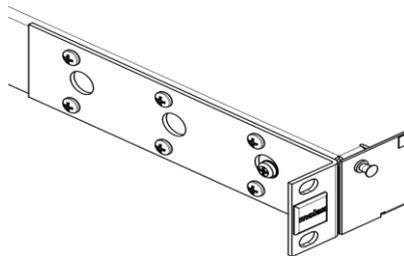- Use M4 Philips pan head screws to attach mounting brackets to the enclosure.

Fig.1

3.2 Open/close slide drawer (Fig.2)

- Release the plunger from grommet.
- Use even pressure on both the right and left side to pull and push the drawer.
- Slide drawer out to its point of full extension.

ENGINEERING RECORD	SAP NO : - **187000565**	Doc No: **187000565**	Doc part: **AS**	REV- **A**
NO :- **711761**	http://www.molexces.com			

MPN/FMT-042 (2019/DEC/23 REV-03).
THIS INFORMATION IS CORRECT AS AT THE TIME OF PUBLICATION, SPECIFICATION ARE SUBJECT TO CHANGE.
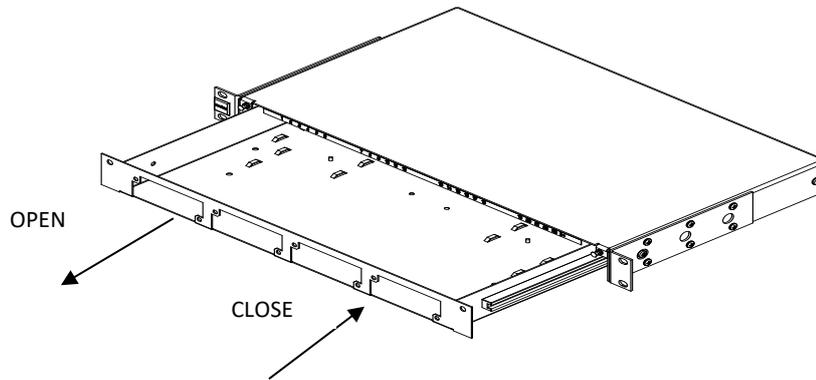
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Fig.2

3.3 Installation of Cable Management hubs & cable gland:
3.3.1 Cable Management hubs (Fig. 3)

- Cable Management hub to be split into 2 halves.
- Cable Management hubs are secured onto the studs at position using Keps nuts tightened by a suitable magnetic nut driver.
- Note: Do not install Cable Management hubs for ModLink MPO cable and Modular Splice Cassette installations.
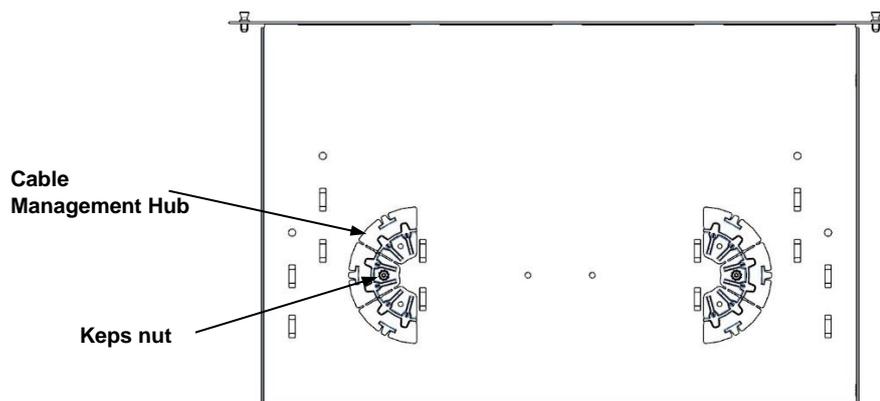

Fig.3

3.3.2 Back Cable Entry & Retention (Fig. 4)

- Cables can enter in either the left or right back side of the enclosure.
- Cable gland to be assembled to the enclosure in entry holes as shown in Fig.4.
- Secure cables with hook and loop fastener straps or cable ties to the strain relief / tie off feature.
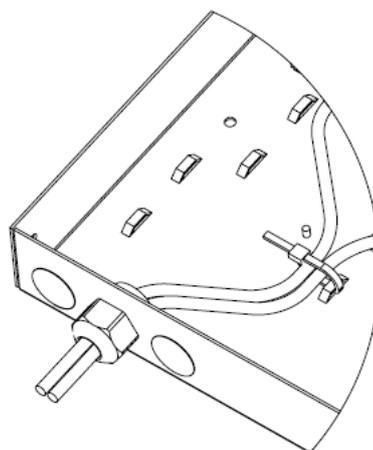

Fig. 4

CAUTION: Molex recommends wearing safety glasses when cutting fiber optic cable.

3.4 Armored Cable Grounding

Armored fiber optic cable metal sheaths may be terminated on the integral pem studs
(One on each side at the point of entry). A brass grounding nut is included in the accessory kit. For proper grounding practices refer to ANSI/J-STD-607-A grounding standard.

3.5 Cable and routing (Fig. 5)

- Adequate slack must be included inside the enclosure for sliding drawer to pull out.
- Full extension of the drawer is 1 foot (304.8 mm).
- Molex recommends a minimum of 1 meter (3.28 feet) of slack be stored inside the enclosure for tight buffered and loose tube cables.
- Provide minimum 5" to 6" (127 mm to 152.4 mm) of slack between the cable entry point and the point where the cable begins to wind around the cable management hubs or bound by hook and loop fastener straps.
- Do not install Cable management hubs when using ModLink MPO assemblies.
- Mark cable jacket 18" (457.2 mm) back from MPO connector with a marker.
- Secure cable with hook and loop fastener or wire ties at the point of entry
- Route the slack inside the enclosure around the cable management hub.
- Group cables by side and secure them using the hook and loop fastener strap.
- Hook and loop fastener strap should be kept loose to allow flexing with opening and closing of drawer.
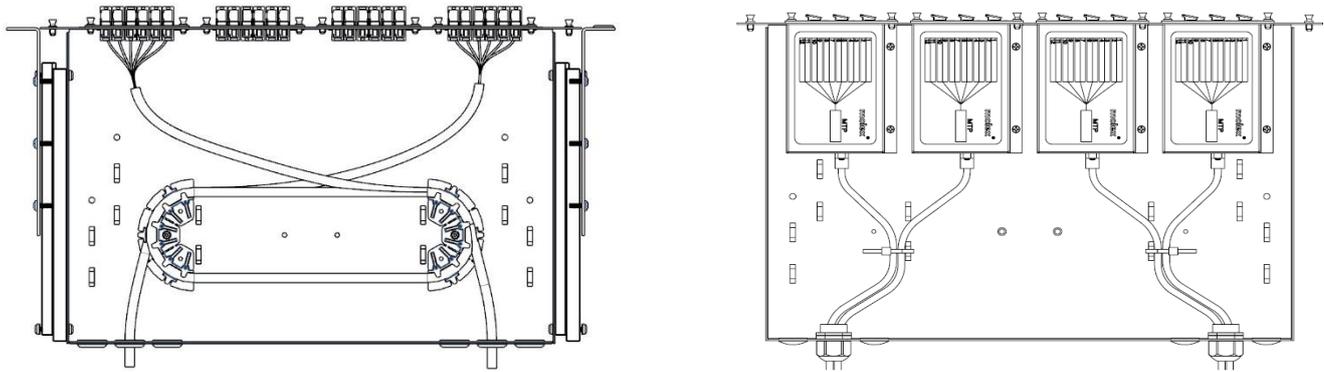

Fig.5

> **WARNING:**
> 1. Never look into the connector of MTP assembly or terminated fiber. Laser light may be present and is invisible. Serious eye damage is possible.
> 2. In the entire cases test the drawer after the fiber is secured to verify the drawer can open and close without restriction.

3.6 Installing Fiber Adapter Plates

- Up to four fiber adapter plates can be installed in the enclosure (Fig-6A).
- Adapter plates utilize corner retention push pins when pulled upon two corner fasteners.
- Position the fiber adapter plate in the appropriate location within the enclosure and push the two corner fasteners gently back until they will go no further (Fig-6B).

> **WARNING:**
>
> Dust caps should be left intact on all adapters not in use.
>
> Never look into an open adapter as laser light may be present and is invisible. Serious eye damage is possible.

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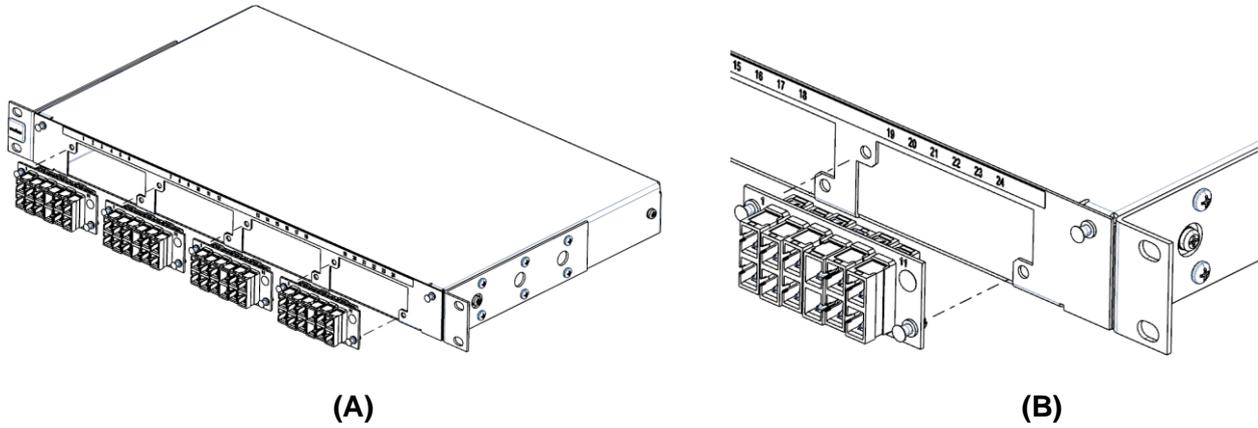
(A)   **(B)**

Fig. 6

3.7 Installing ModLink Cassettes (Fig. 7)

- Up to four ModLink cassettes may be installed in the enclosure.
- ModLink cassettes utilize corner retention push pins which when pulled upon open two corner fasteners.
- Position the ModLink cassettes in the appropriate location within the enclosure and push the two corner fasteners gently back until they will go no further
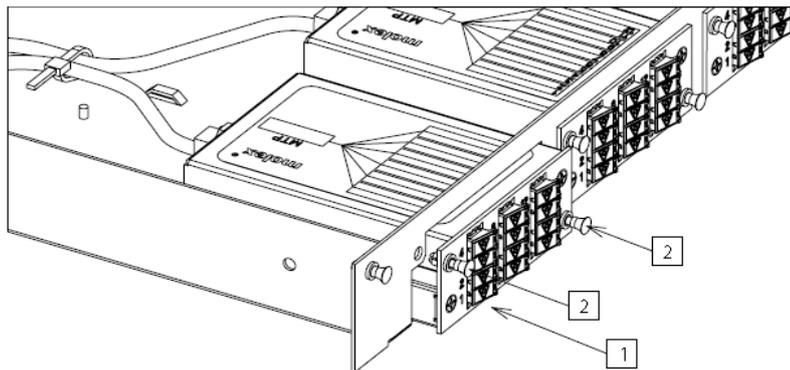- Splice Cassette installation also will follow the same procedure as ModLink Cassette.

Fig. 7

4.0. 24F Splice tray installation (Fig. 8):

Position the splice tray in the appropriate location as shown (Fig.8A & 8B) and fasten it to the enclosure base through the countersunk holes using screws provided along with splice tray.
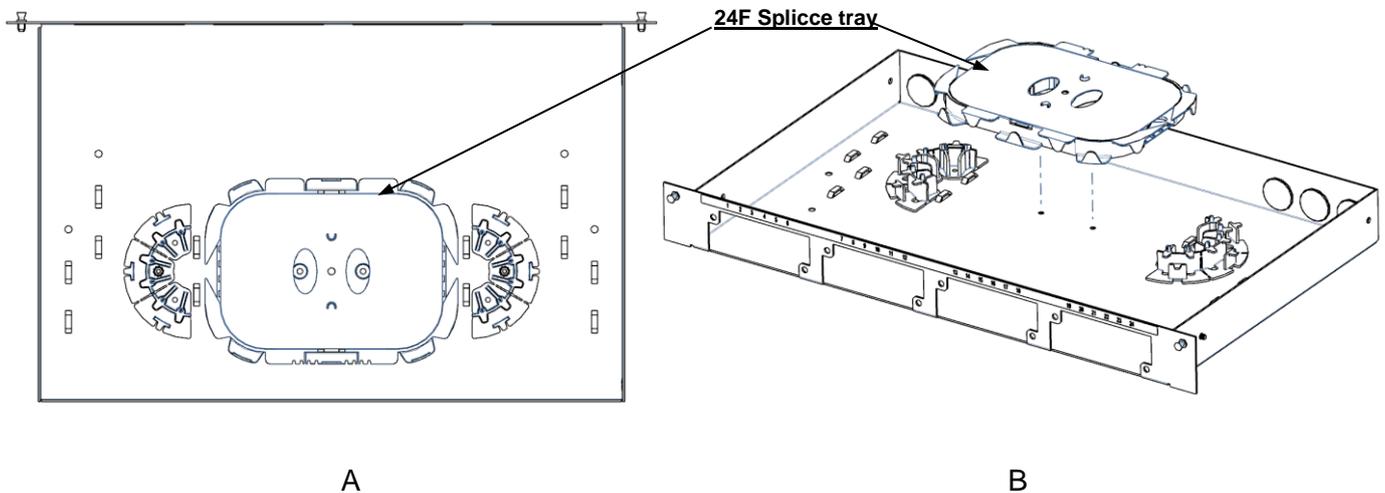

24F Splicce tray

A   B

Fig. 8

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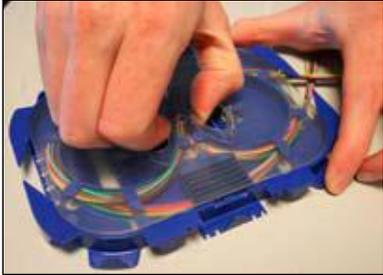# 24F SPLICE TRAY INSTALLATION INSTRUCTIONS

5.0 SCOPE

This document provides installation instructions for the Splice Tray MFE 24 Fiber.
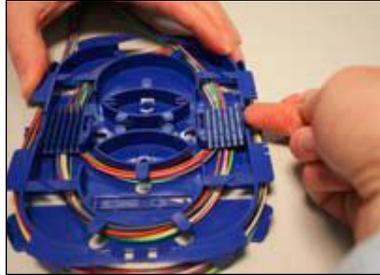
6.0 PRODUCT DESCRIPTION

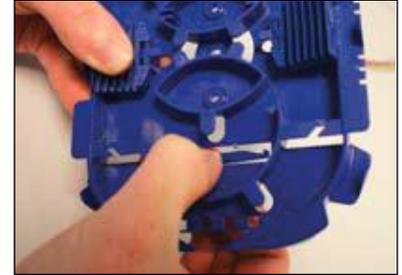AFR-00470 - Universal Splice Tray, 24 Fiber with built in Cable Management
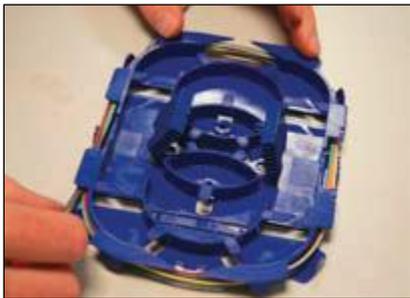
7.0 INSTALLATION PROCEDURE

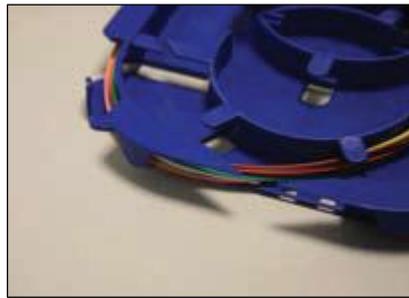Place thumb and first finger in lid pick on splice holder tab to lift and to release.

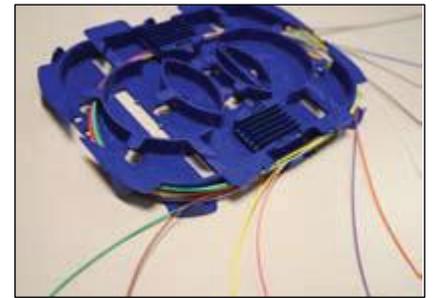Use finger nail or tapered end of fiber cutouts and flex lid up at center pivot upwards.

To remove fiber pick press down firmly on pick before mounting tray.

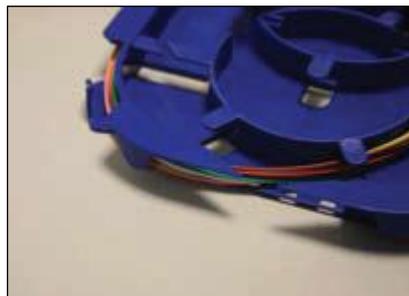

External pathway routing

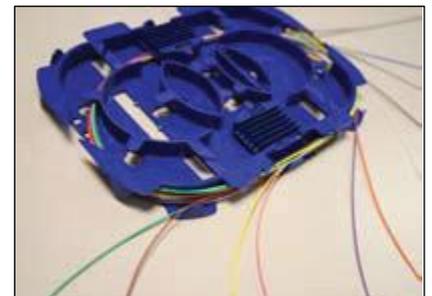Fiber entry via external pathway

Multi-directional fiber entry / exit

Routing around splice holders

Routing underneath splice holder area

Multi-directional fiber entry / exit

Storing fiber pick

Secure lower portion of hinge to each individual tray before joining trays together (as shown below):