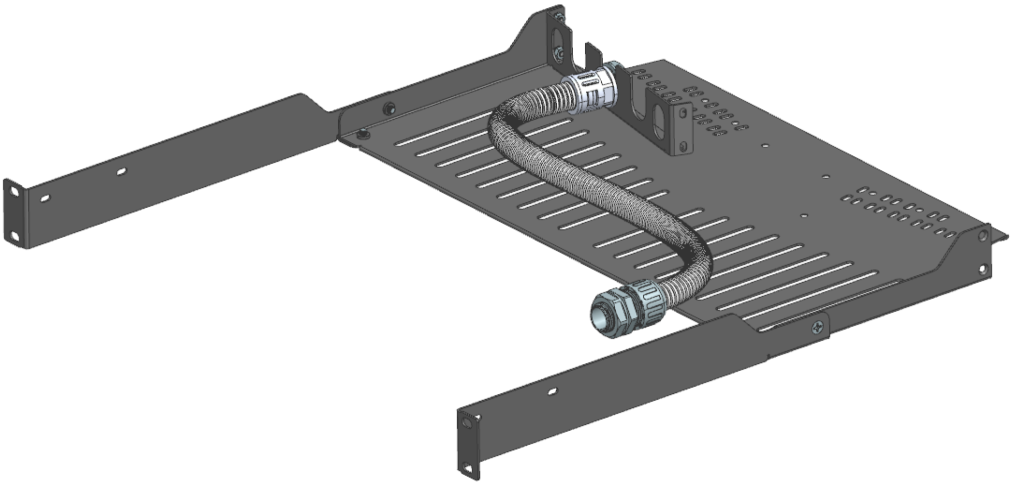
REAR TRAY ASSEMBLY FOR 1U MULTI-FUNCTIONAL ENCLOSURE (MFE)-BLACK



(Note-1: Images shown in this document are for reference only)

(Note-2: *For Installation of Conduit tube and Gland assembly Kit-181050072 (CMA-00116), refer sheet 07)

1.0 SCOPE:

This document is intended to describe the installation instructions for REAR TRAY ASSEMBLY FOR MULTI-FUNCTIONAL ENCLOSURE-BLACK

2.0 PRODUCT DESCRIPTION:

Rear Tray Assembly is designed to get installed to existing Multi-Functional Enclosure from Gen-III (RFR-00311-BK) to facilitate the fiber cable break-out and management.
(Hereafter in this document, the Multi-Functional Enclosure will simply be referred to as “MFE”)

3.0 PROCEDURE:

3.1 Assembling the accessories:

3.1.1 Assembling conduit gland bracket and mounting brackets (Fig.3A, 3B)

- Assemble the conduit gland bracket to the rear tray at the shown location using M4 flat screws and M4 Keps nuts provided in the kit (Fig 3A). Based on the user requirement it can be mounted on left or right side of the rear tray.
- Assemble the mounting brackets (left & right) to the rear tray as shown using M5 x 8mm flat screws (Fig 3B).

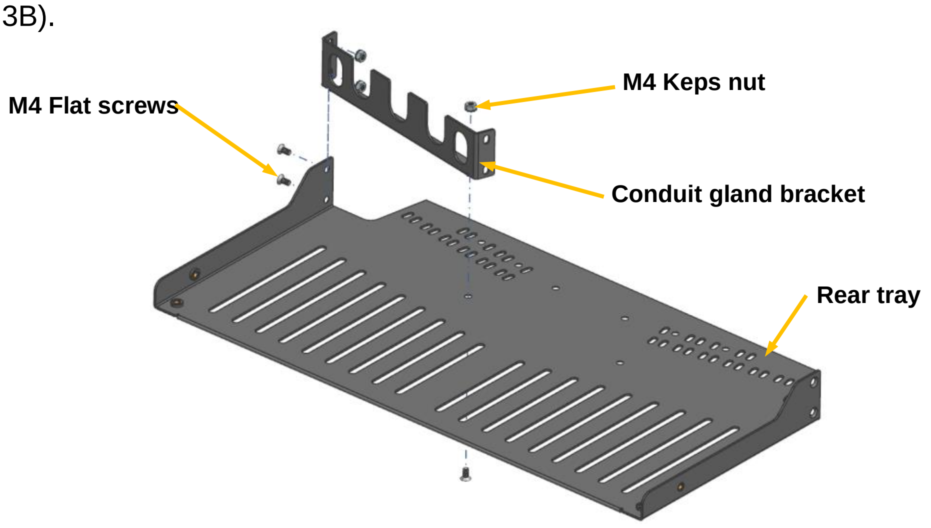


Fig. 3A

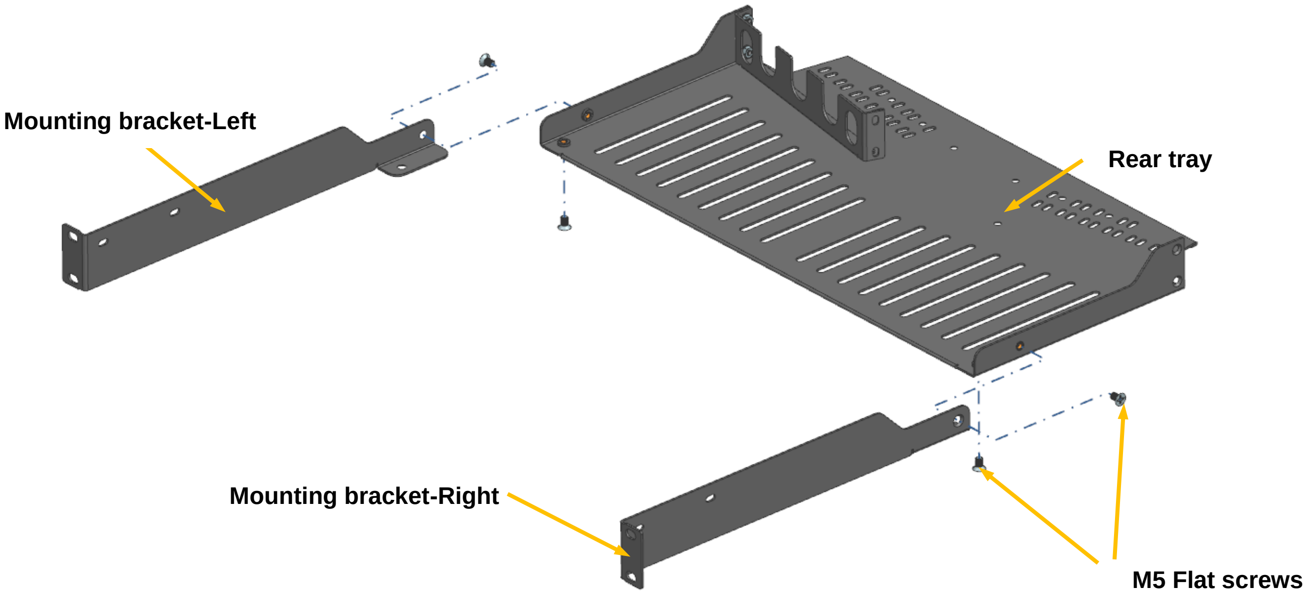


Fig. 3B

3.1.2 Assembling conduit gland bracket and mounting brackets

- Take the Conduit tube assembly (affixed with conduit glands on both ends), fasten **type-B** conduit gland to any of the U slot on the conduit gland bracket. (Fig 3C).

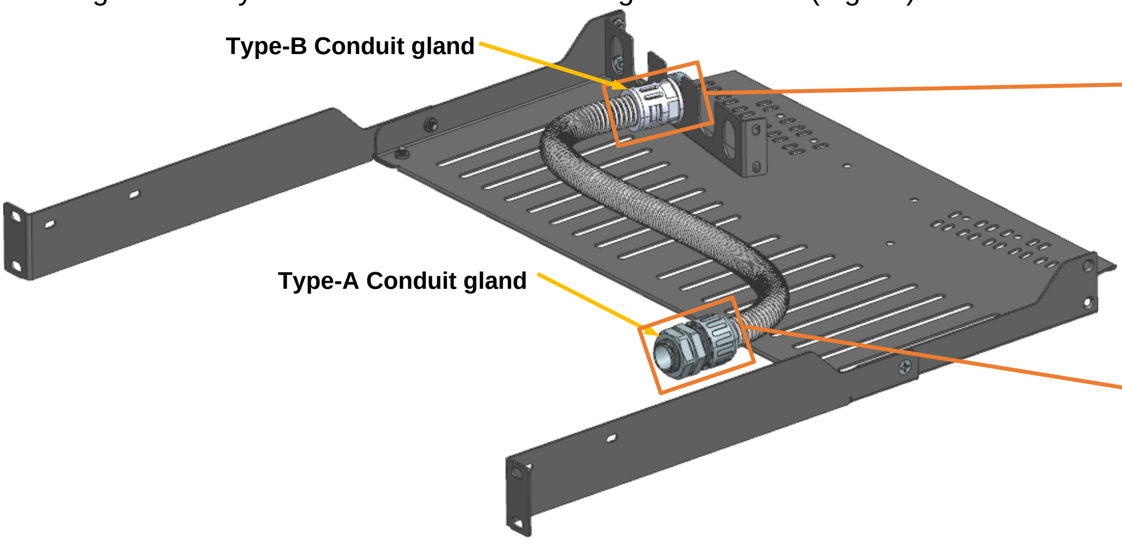


Fig. 3C (Real pictures)

3.2 Installing the Rear tray assembly to MFE:

- Remove the existing mounting brackets from MFE and retain the screws. (Fig 3D, 3E)
- Install the assembled “Rear tray assembly” to the MFE using the same screws. (Fig 3F)

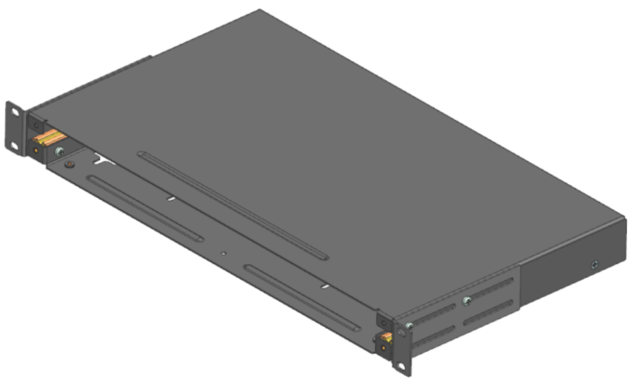


Fig.3D

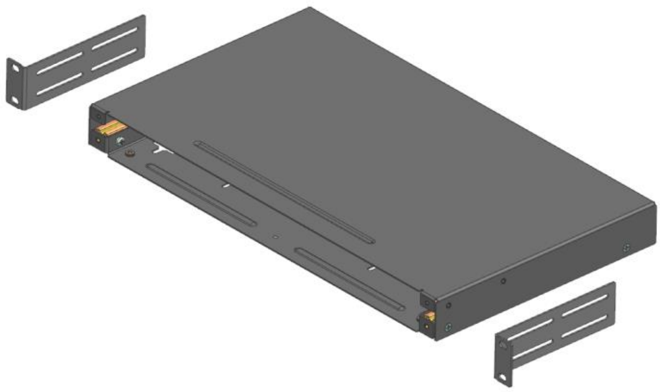


Fig.3E

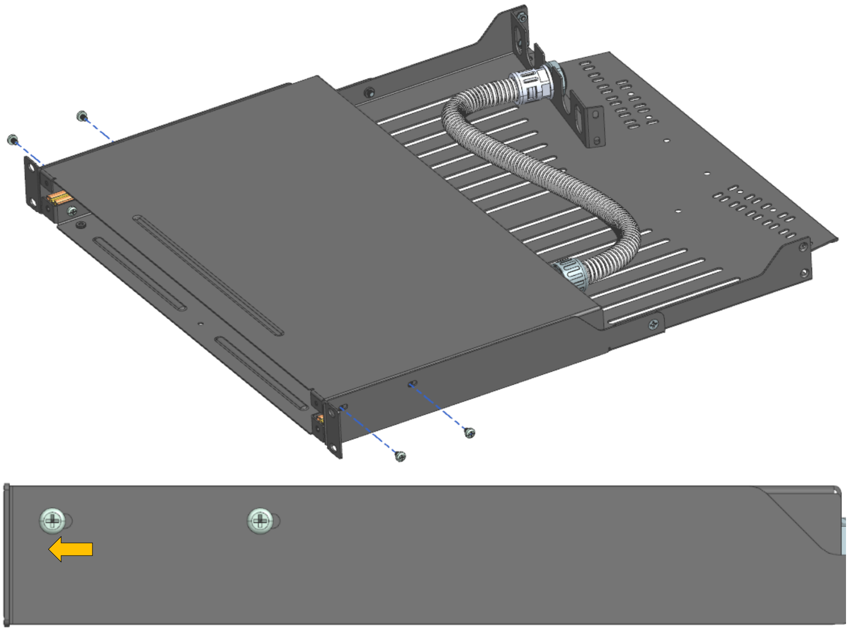


Fig.3F

3.3 Fiber break-out and management:

3.3.1 Inserting the cable and fastening the conduit tube assembly to the

- Straighten the conduit tube assembly. (Fig. 3H)
- Insert the fiber cable (24F max, tight buffer or loose tube) into the conduit tube through the complete length (Fig. 3I)
- Decide the length of the fiber strands required inside the (when connected to the MFE's sliding tray) for splicing the fibers and ensure that much length of cable is maintained out of the conduit gland. (Fig. 3J)

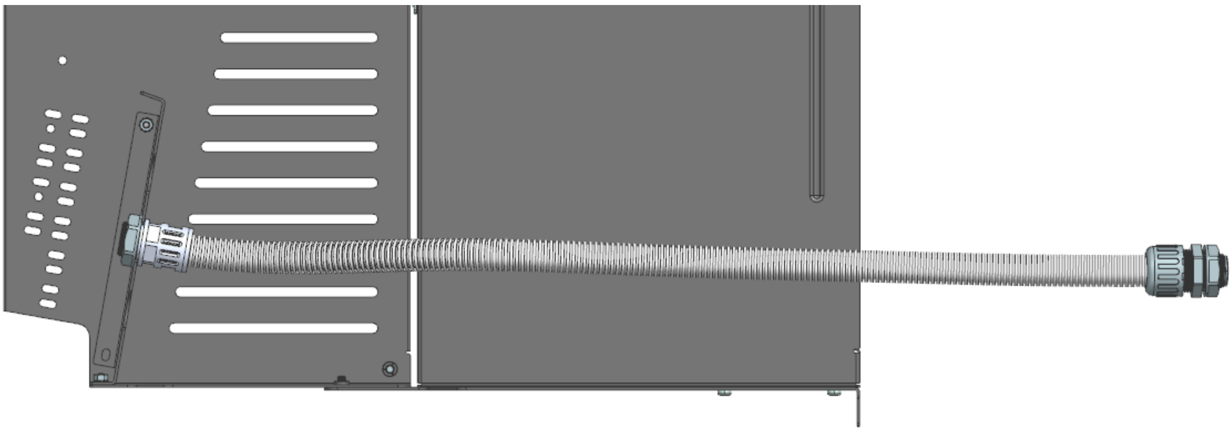


Fig.3H

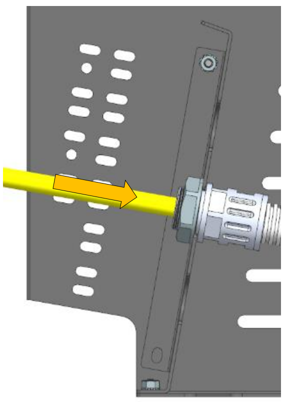


Fig.3I

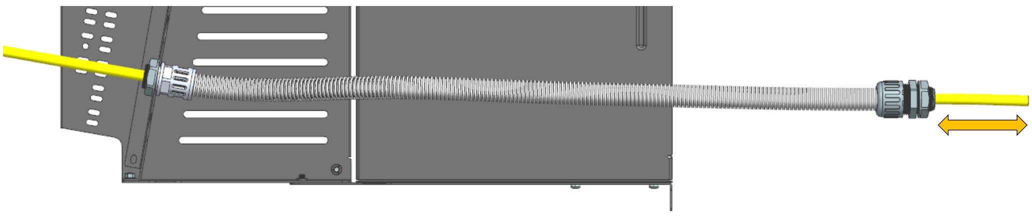


Fig.3J

- Slide out the MFE sliding tray with enough space to fasten the other end (**type-A** conduit gland) of the conduit tube assembly as shown (Fig. 3K) to the far set of holes on the MFE sliding tray and not near ones.
- While installing make sure the Hexagon collar face (across the width) is parallel to the edge to MFE sliding tray flange's top edge as shown (Fig. 3L)

*__Important note:__ Ensure conduit gland is fastened to same hole number in the MFE sliding tray to that of the conduit gland bracket i.e. If the conduit gland is fastened to 1st hole on the conduit bracket, then the gland on the other end should be fastened to 1st hole of the MFE sliding tray.

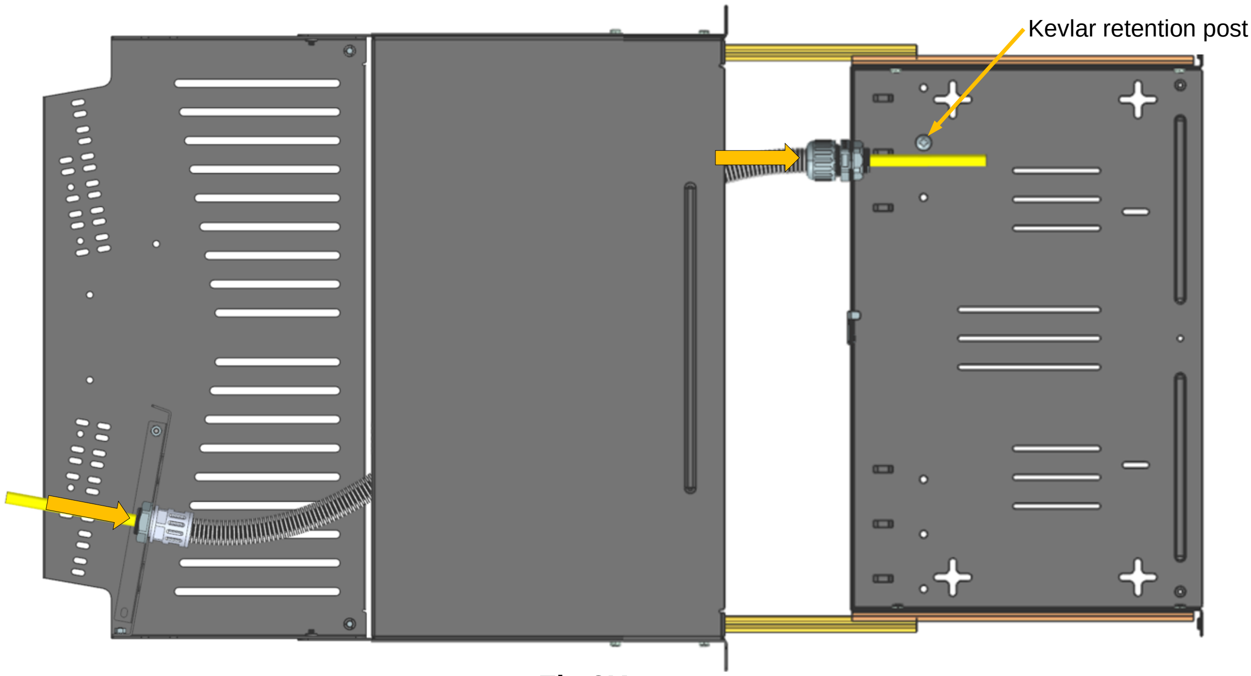


Fig.3K

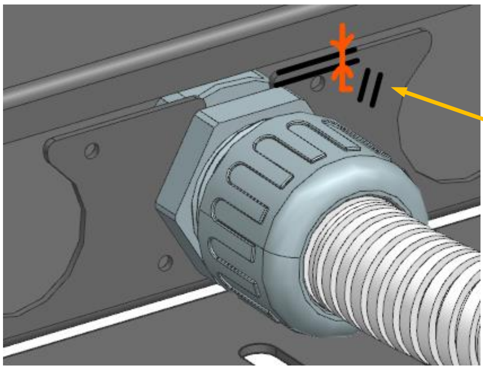


Fig.3L

- Install the Kevlar retention post to its mounting hole corresponding to the cable entry hole on MFE's tray (Fig. 3K).

3.3.2 Removing the sheath and breaking out the fiber and securing it:

- Ensure required length of cable is inside the MFE's tray (Fig. 3M)
- Cut the sheath (jacket) of the cable using a cable stripper at rear tray gland end and separate it(Fig. 3N & 3O)
- Pull the sheath out of the conduit tube from MFE sliding tray gland end (Fig. 3P) by holding the cable on the other end (Rear tray end).
- Secure the cable snugly on to the rear tray using cable tie and slot features (Fig. 3Q).

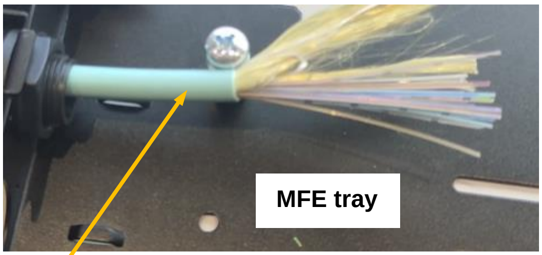


Fig.3M

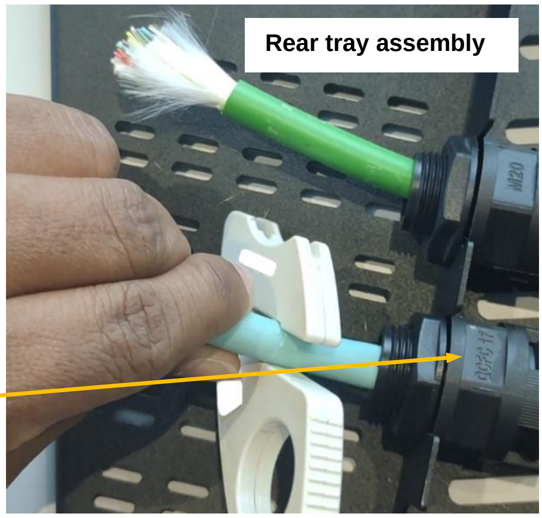


Fig.3N

Cable on MFE tray

Type-B Conduit gland

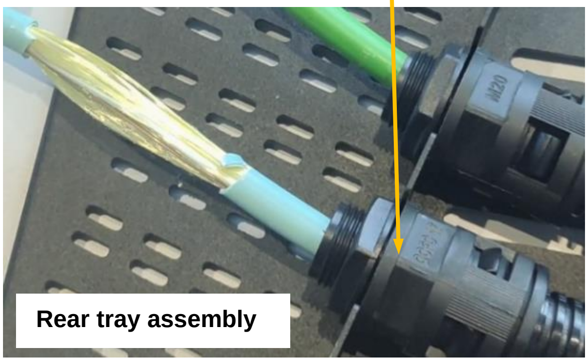


Fig.3O

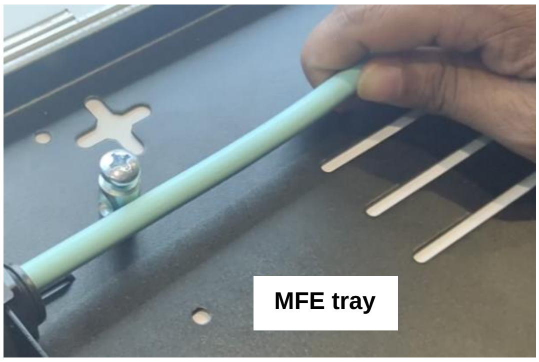
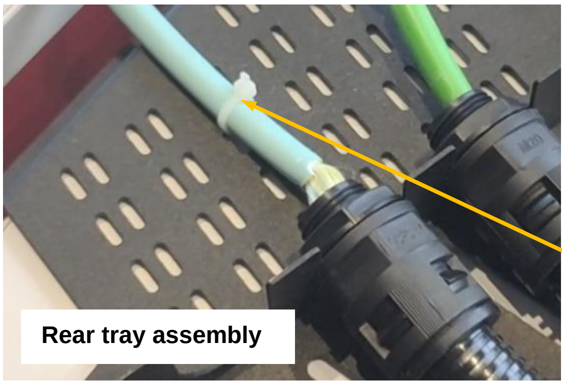


Fig.3P



Cable tie

Fig.3Q

- Segregate the Kevlar buffer wool from the fiber strands and secure it using Kevlar retention post (Fig. 3R).

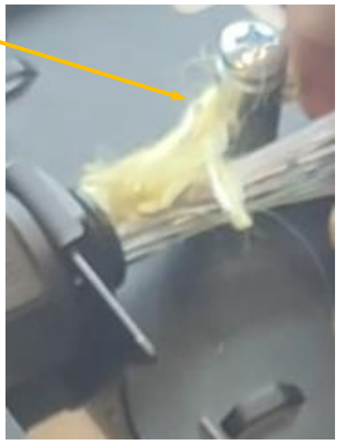


Fig.3R

- Fiber strands can now be spliced to pig tails to plug into adapters.
- If Fiber strands are coming from multiple cables, they can be secured by mounting Kevlar retention post to its mounting hole corresponding to the cable entry hole on Rear tray as shown below (Fig. 3S)
- Spiral wrap provided in the accessory kit can be used to bundle the fiber strands as shown for reference in Fig. 3T

Fig.3S

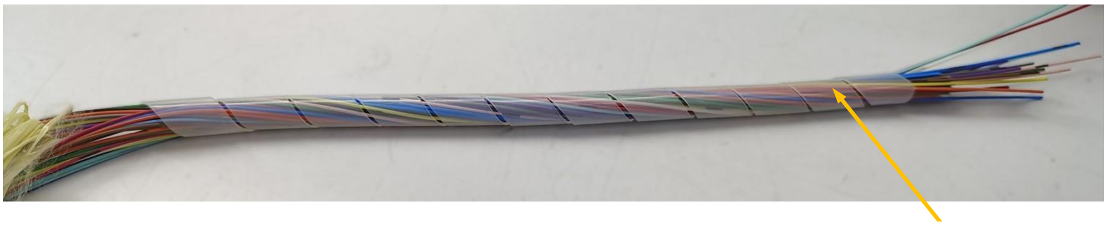


Fig.3T

Spiral wrap

- **Note-3:** When there is no other enclosure stacked right below the MFE, while sliding the MFE's tray, there are chances of the conduit tube falling between the gap (of Rear tray and MFE's sliding tray) like shown below (Fig. 3U), due to coiled condition (original packaging condition) of the conduit tube and no support at the bottom.

  In such cases, correct the condition by turning the conduit tube at the gland entry point of **type-A** conduit gland end installed to MFE's sliding tray as shown in Fig. 3V, so that the conduit tube stays above the rear tray while sliding.

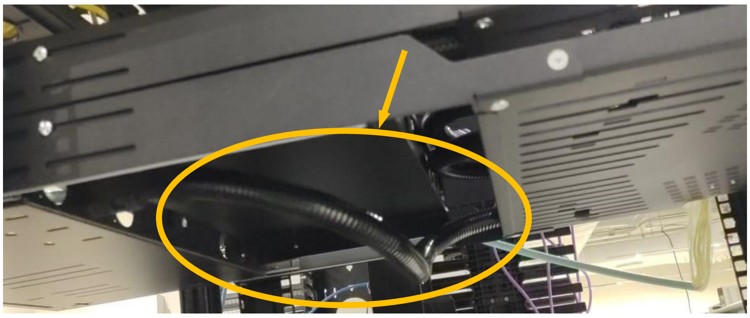


Fig.3U

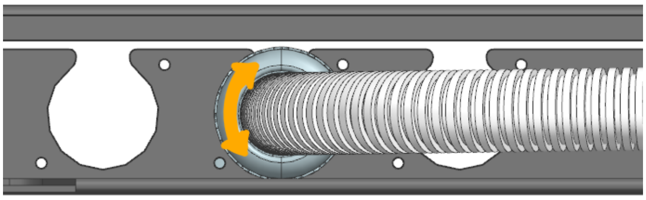
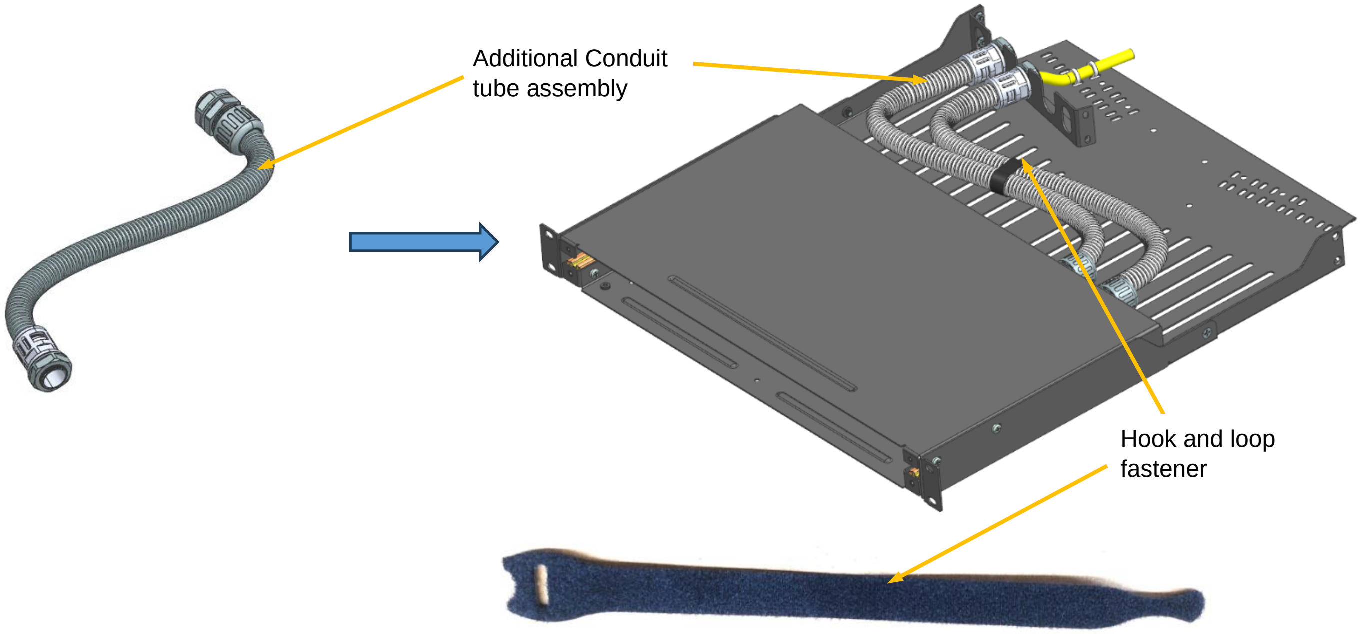


Fig.3V

3.4 Installation of Conduit tube and Gland assembly Kit-181050072 (CMA-00116):

- More than 24 fiber capacity will be supported by an additional "Conduit tube and Gland assembly kit"-181050072 (CMA-00116), which customer can order separately when required.
- Assemble the conduit tube assembly (Fig. 3V) to the rear tray and MFE as explained in section 3.1.2 (for assembly) and 3.3(Fiber break-out and management)



(Real picture)

Fig.3X

- Bind the newly assembled conduit tube to the existing one in the middle using hook and loop fastener provided in the kit as shown in Fig. 3X for avoiding overlapping of the conduit tubes during sliding motion.
- If fiber strands are coming from multiple cables, they can be secured by mounting Kevlar retention post to its mounting hole corresponding to the cable entry hole on Rear tray as shown in Fig. 3S (Sheet no: 06) which is provided in the kit.
- Check a few times sliding the MFE's tray to confirm there is no overlapping of the conduit tubes and adjust the tension of the tubes (explained in **Note-3** in section 3.3.2-Fig 3V) to ensure conduit tubes are not falling between the gaps.

Note-4: Ensure conduit gland is fastened to same hole number in the MFE sliding tray to that of the conduit gland bracket i.e. If the conduit gland is fastened to 1st hole on the conduit bracket, then the gland on the other end should be fastened to 1st hole of the MFE sliding tray.