

Zone Enclosure Raised/Access Floor - Copper and Fiber Installations



Scope

This document describes the installation instructions for the Raised Access Floor Zone Enclosure.

1.0 Product Description

The Raised/Access (backslash) Floor Zone Enclosure provides a protected point of configuration of 24 copper ports, 48 fiber splices or 4 x ModLink Cassettes (12F or 24F) in an underfloor zone cabling architecture.

2.0 Tools Required :

1. Long nose MAGNETIC NUTDRIVER, Drive Size 5.5MM for M3 size Hex nut.



2. Hammer and punch tool



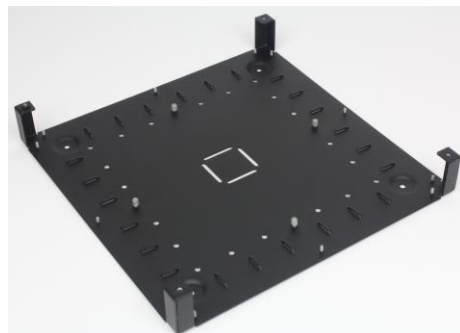
3. Philips head screwdriver
4. Grounding wire

3.0 Zone Enclosure Components

1. Enclosure Chassis and Top cover



TOP COVER



CHASSIS

ENGINEERING RECORD NO : 654442	SAP NO : 187000541	Doc No: 187000541	Doc part: AS	REV- A
http://www.molexces.com				

2. DataGate Jack Plate 12 Port

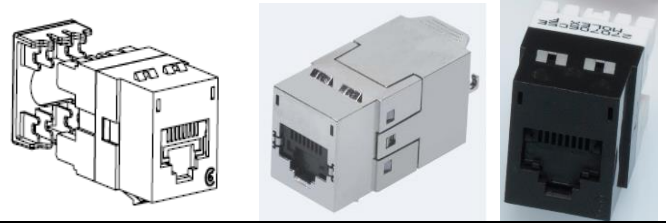


Compatible with DataGate Jacks. Consult datasheet for part numbers.

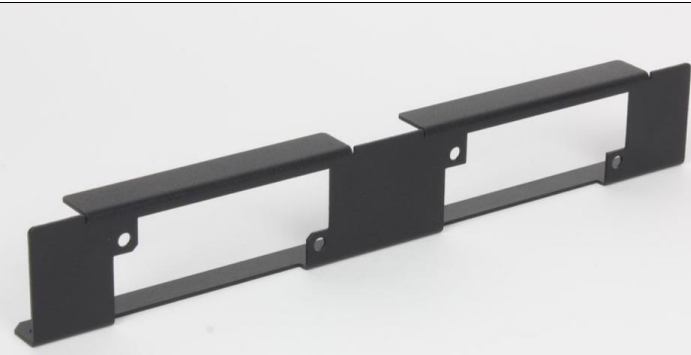
DataGate Shielded C6A Jack

DataGate UTP C6 Jack

DataGate UTP C5E Jack



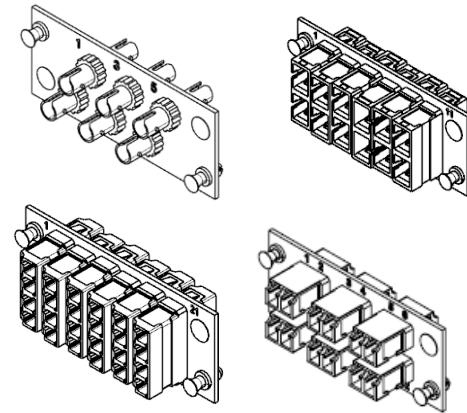
3. Fiber Carrier Plate



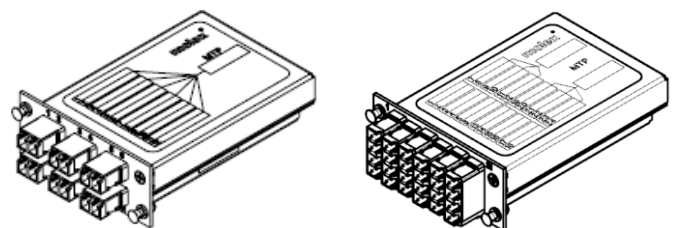
COMPATIBLE WITH MOLEX FIBER 6 PAK ADAPTER PLATES AND MODLINK CASSETTES (AFR's & MLC's):

6 PAK Adapter plates and Modlink cassettes are available in multiple combinations. Up to 48 fibers may be spliced, with combinations of shuttered and unshuttered versions adapters, and Plates in loaded and unloaded versions. Note: blank snap in plates are available for unused apertures. (Refer to datasheet /Contact Molex for the part numbers).

6 PAK Fiber Adapter Plates types:



ModLink Cassettes



4. Cable Management plate with brush strip



3.0 ASSEMBLY PROCEDURES:

- I. Remove Keyed Enclosure Cover as shown (in Fig.1). The cover plate includes 3 x flat headed screws and 1 x large domed (pan wafer head) screw. The large domed screw mates with a pem nut on the chassis base. This feature allows the cover to be orientated correctly (refer Fig 2) when the port numbers are printed on the label within the protected label holder and fitted into the cover plate (following moves adds and changes for example)

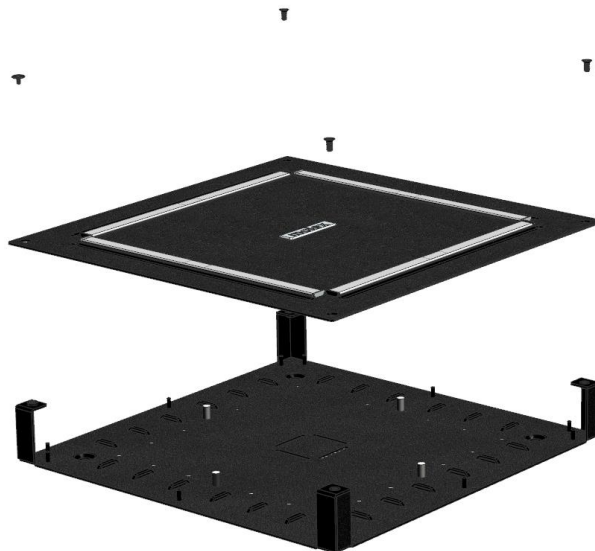


Fig.1

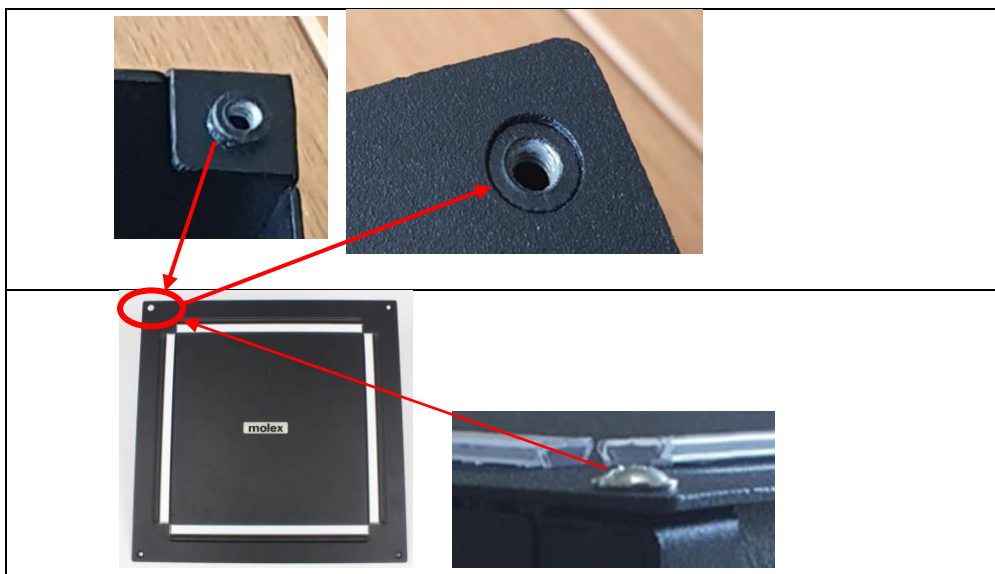


Fig.2

II. COPPER INSTALLATION INSTRUCTIONS:

- Slide the Cable Management Plates over the guide studs in the chassis base. Secure plate to the chassis with the hex nuts using the long nose nut driver.
- For Copper Cable Installations remove the brush strip from the copper cable entry aperture with a Philips head screwdriver as shown in Fig.3.

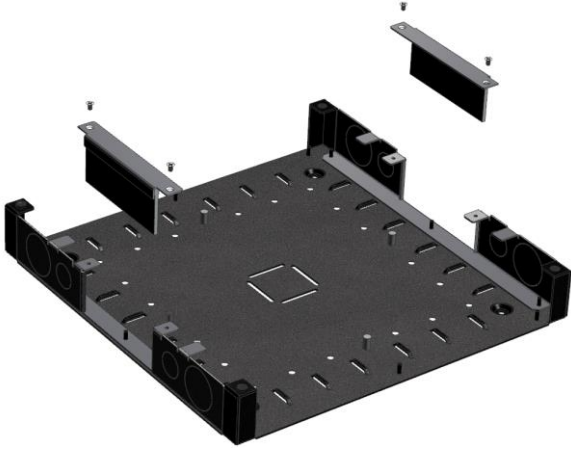


Fig.3

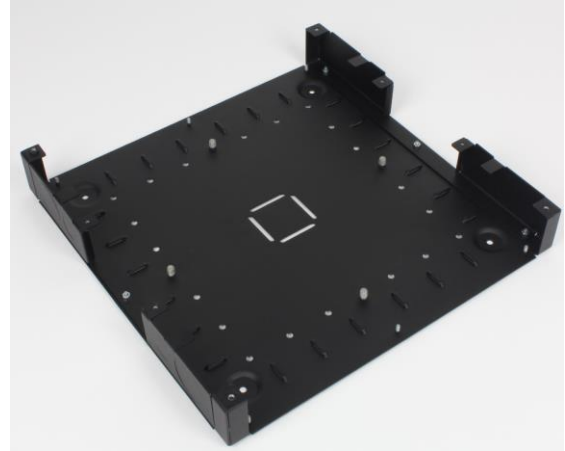


Fig.4

- Terminate the Molex DataGate Jacks following the installation instructions included with the jack.
- Snap the terminated DataGate Jacks into the Copper Jack Plate at a slight angle. As shown below figs.5

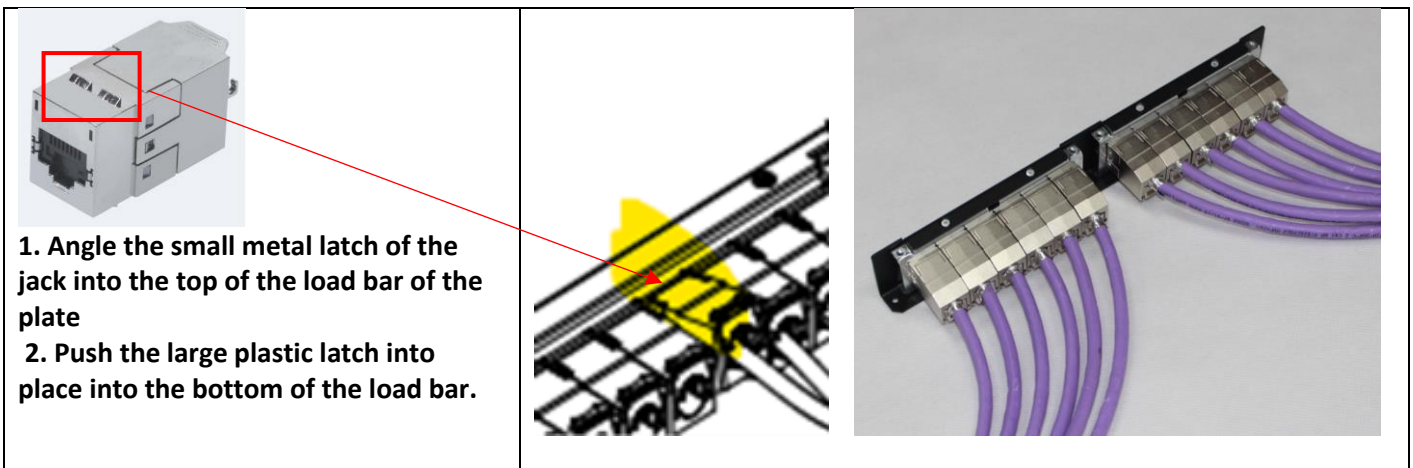


Fig.5

- Slide the loaded DataGate Jack Plate over the guide studs in the chassis base as shown in Fig.6 Use the long nose nut driver to secure the M3 hex nut provided with the plate to the fixing pins in the base of the chassis as shown in Fig 7.

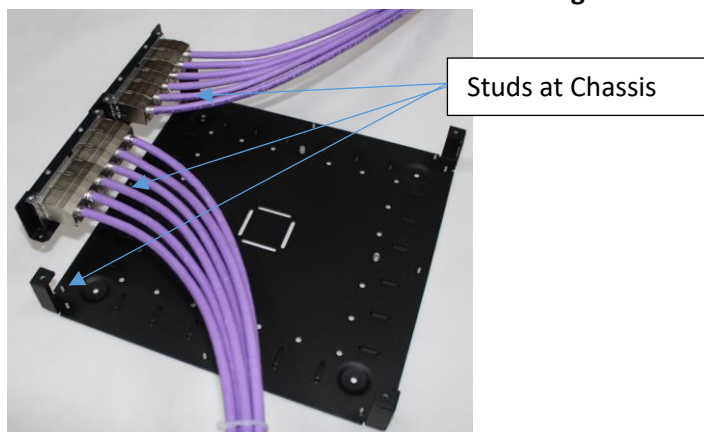


Fig.6



Fig.7

- Route the cables through the cable entry aperture. Ensure that the correct cable bend radius is maintained and secure the cable bundles to the chassis using the cable tie securing features provided on the chassis. as shown in Fig.8,9 and 10.
- For shielded installations connect the shielded Data Gate jacks to the grounding pins with grounding cable (not provided by Molex) as shown.Fig.11.
- Trim the brush strip and secure over the cable entry aperture to prevent dust and debris from entering the chassis as shown in Fig.12.



Fig.8



Fig.9



Fig. 10



Fig.11

- Fix the brush strip plate to the cable management plate as shown in Fig.12 and 13.
- Screw the cover on to the chassis. Allocate port numbers as required and position into the snap-in protected label holder provided as shown in Fig.14.



Fig. 12



Fig.13



Fig.14

III. FIBER INSTALLATION INSTRUCTIONS:

A) For Spliced Fiber Installations:

- To fit a fiber cable gland (supplied separately), remove the smaller metal circular blank using the punch tool and hammer using maximum 30N force. Shown in Fig.15.
- Slide the Cable Management Plates and Carrier Fiber Adapter Plate over the guide studs in the chassis base, as shown in Fig 16 and 17.
- Use long nose nut driver to secure the M3 hex nut provided with the plate to the fixing pins in the base of the chassis as shown in Fig 17.
- Screw Kevlar Retention post to the chassis
- Snap the fiber adapter plates into the Carrier Plate as shown below Figs.18



Fig.15

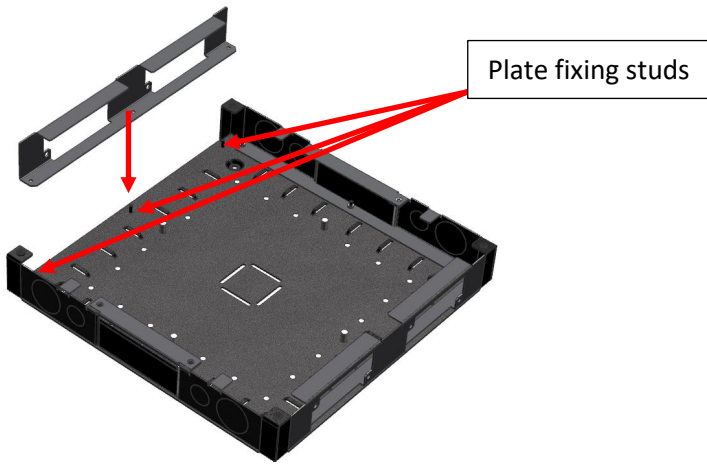


Fig.16

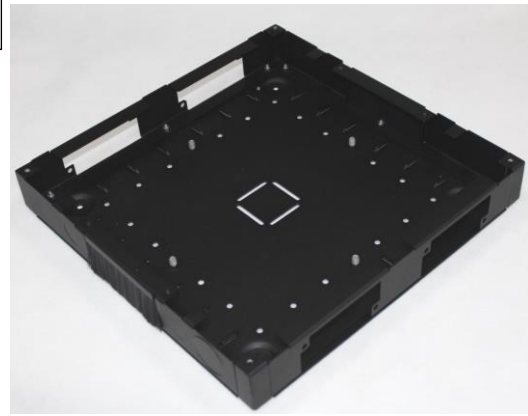


Fig.17

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

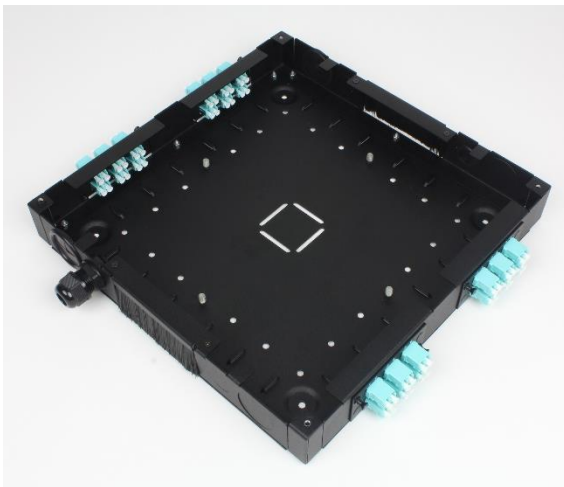


Fig.18

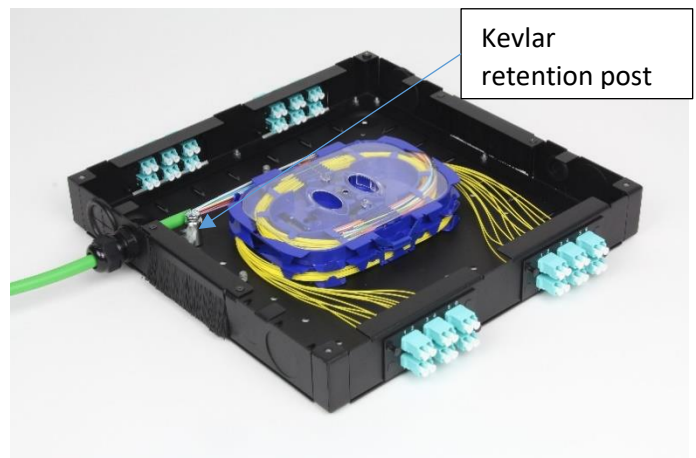


Fig.19

- **Secure the splice holder/fiber cable manager to the chassis via the adhesive tape provided with splice tray.**
 - **Route the fiber cable through the cable gland and secure to the Kevlar to the retention post position in the chassis as shown in Fig.19**
 - **Splice the fibers and place in the splice tray. Connect the pigtails to the adapters as shown in Fig.19**
- **Screw the cover on to the chassis. Allocate port numbers as required and position into the snap-in protected label holder provided as shown in Fig.20.**



Fig.20

B) For ModLink (MTP/MPO) Cassette Installations:

- To fit the cable entry grommets (supplied) required for ModLink cable entry, remove the large metal blank using the punch tool and hammer using maximum 30N force as shown in Fig.21



Fig.21

- Slide the Cable Management Plates and Carrier Plate over the guide studs in the chassis base as shown in Fig 22 and 23.
- Use the long nose nut driver to secure the M3 hex nut provided with the plate to the fixing pins in the base of the chassis as shown in Fig 23.
- Snap the ModLink Cassettes into the Carrier Plate as shown below Figs.24.
- Connect ModLink (MPT/MPO) cables to the cassettes and route the cable through the star shaped grommet in the cable management plate as shown below Figs.25.
- Screw the cover on to the chassis. Allocate port numbers as required and position into the snap-in protected label holder provided as shown in Fig 26.

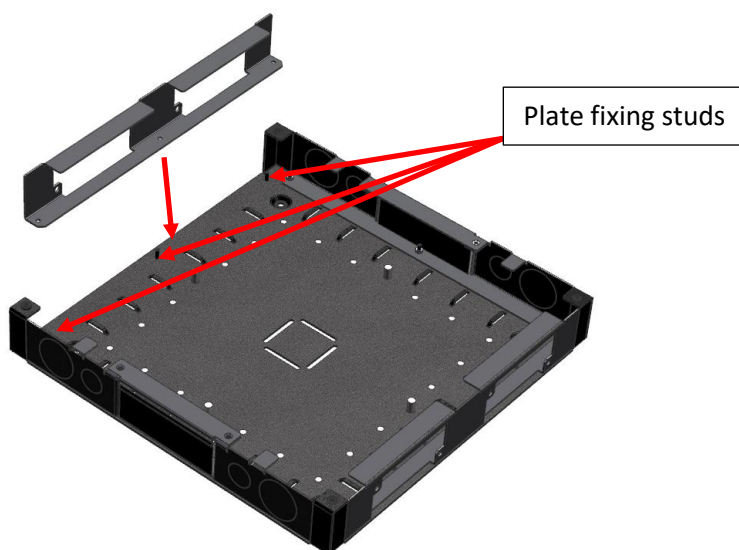


Fig. 22

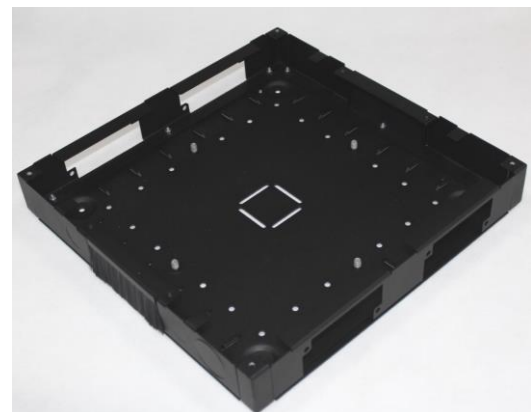


Fig. 23



Fig. 24

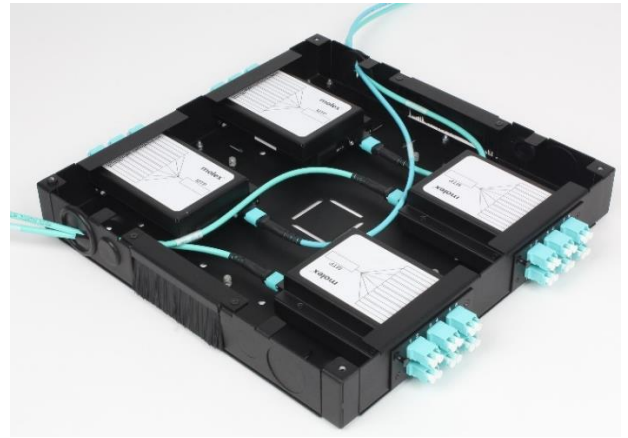


Fig. 25



Fig. 26

WARNING: Improper use of this product or failure to follow these instructions may result in equipment Damage and personal injury. Read and understand all instructions for proper installation and use of this product.



WARNING:

1. Never look into the connector of an MTP assembly or terminated fiber. Laser light may be present and is invisible. Serious eye damage is possible.
2. 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.