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Model TSL MAMU Series
Multi Access Modular Unit fiber distribution panel

Installation Note
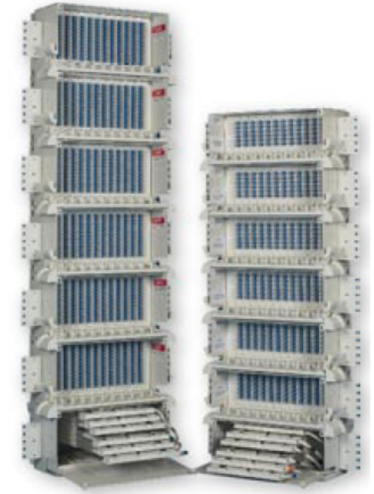
Description

The TSL MAMU is composed of a stack of multiple TSL series LGX termination shelves and one splice shelf. Each TSL is equipped with connector panels and fiber pigtails. Each splice shelf is equipped with mass-fusion or single-fusion splice organizers. Shelves are secured together in the factory, shipped and installed as a single unit.

Features

- Universal 19 or 23" rack mounting
- Centralized splicing point in separate enclosure
- LGX adapter plates
- Stackable − Modular shelves with portals to route fibers between shelves
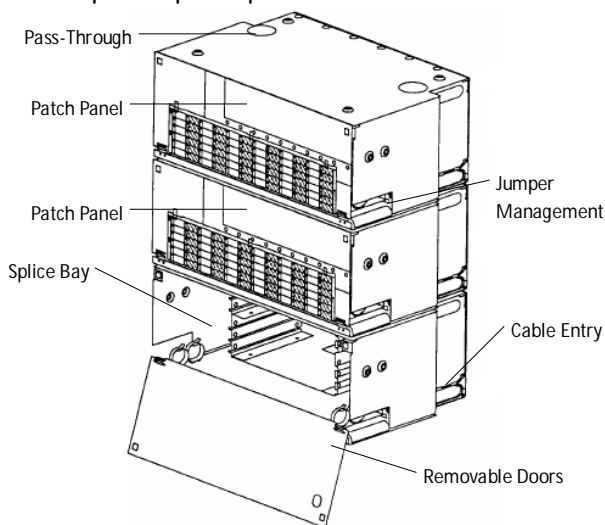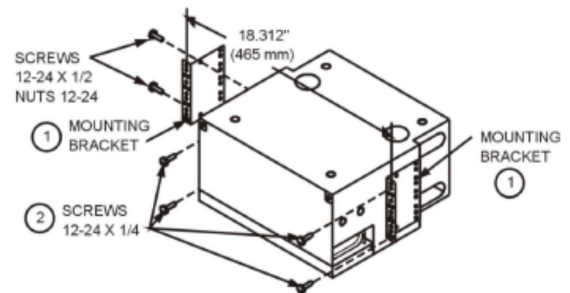- Transparent patch panel doors

Figure 1

Preparation

The MAMU is factory loaded with adapter plates, pigtails, and splice trays to reduce installation labor.

1. Unpack and verify contents and inspect for damage
2. Install rack mount brackets in either 19 or 23 inch orientation using supplied screws on each patch panel and splice bay
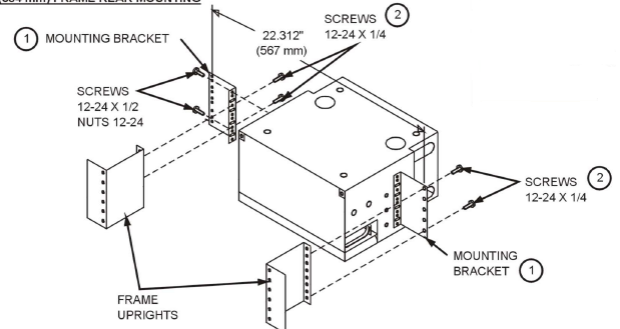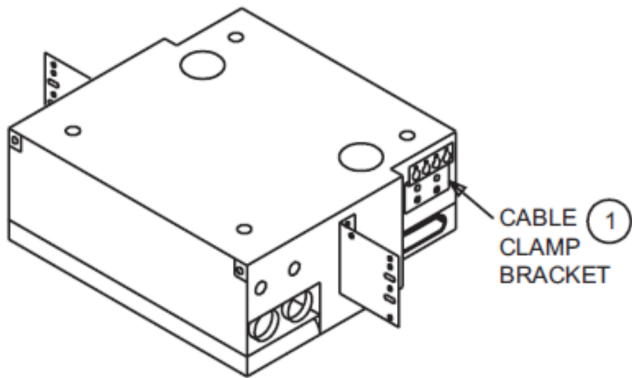

Figure 2

3. Install cable entry bracket on splice bay with bay with supplied hardware. Locations allow for either top or bottom cable entry on both the left and right side of the splice bay

REAR-TOP CABLE ENTRY

CABLE ① CLAMP BRACKET

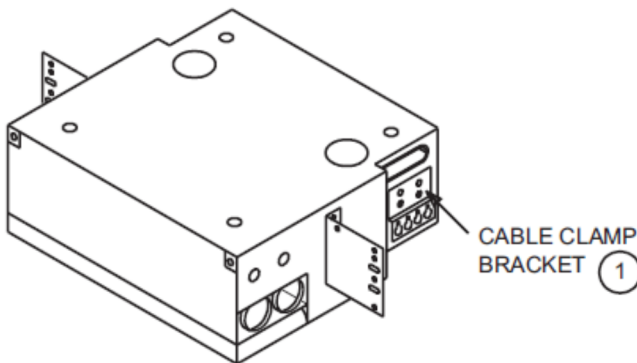**REAR-BOTTOM CABLE ENTRY**

CABLE CLAMP BRACKET ①

Figure 3

4. Using a minimum of 2 technicians install the MAMU in either a 19 or 23 inch frame using supplied hardware in the accessory kit or specific hardware supplied by the frame manufacturer. Depending on the fiber count and construction ordered, a MAMU may weigh 40 to 100 lbs.
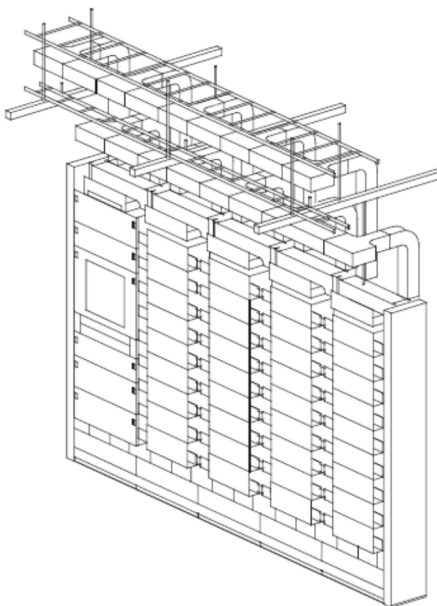
Figure 4

5. Cut excess feeder cable to length leaving a minimum of 4 ft. of slack from point of entering splice bay. Location to perform fusion splicing will dictate exact length necessary of slack. Remove protective jacketing material to expose fiber cable subunits and secure to cable entry point using supplied cable entry bracket kit
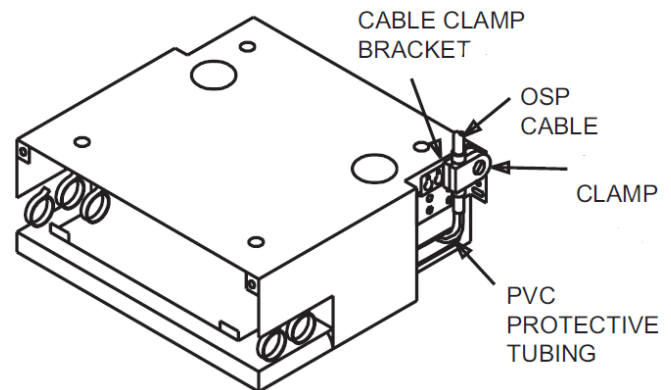
CABLE CLAMP BRACKET

OSP CABLE

CLAMP

PVC PROTECTIVE TUBING

Figure 5

6. Prepare work table or similar work space and fusion splice feeder cable to factory installed and labeled pigtails. Mass fusion trays will support up to 18 mass fusions, and the single fiber tray will support up to 48 single fiber fusions
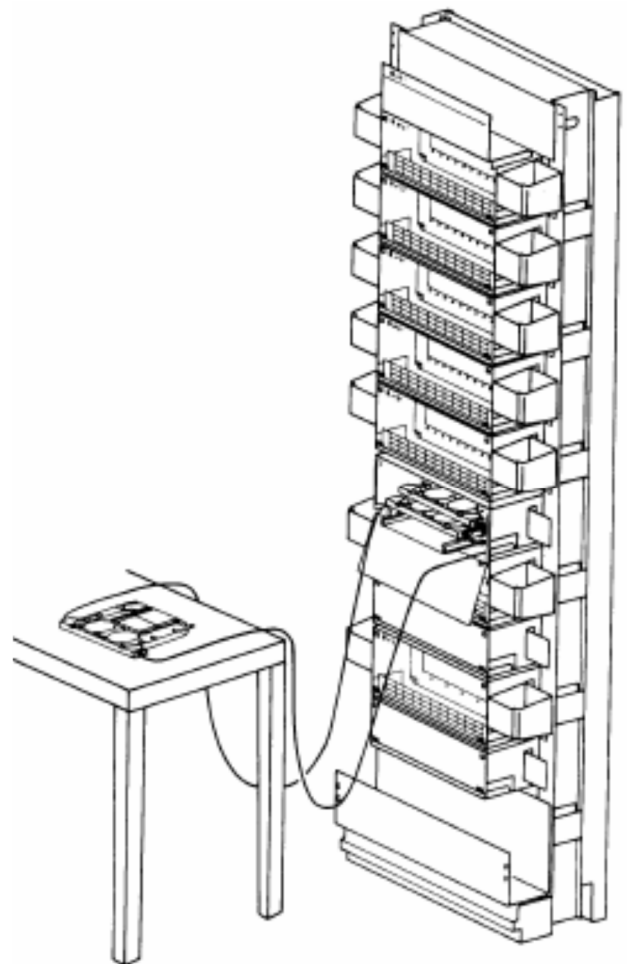
Figure 6

7. Dress fusion splice tray, slack will route under splice chips and store typically 1 meter of 250um, 900um, or ribbon on each side
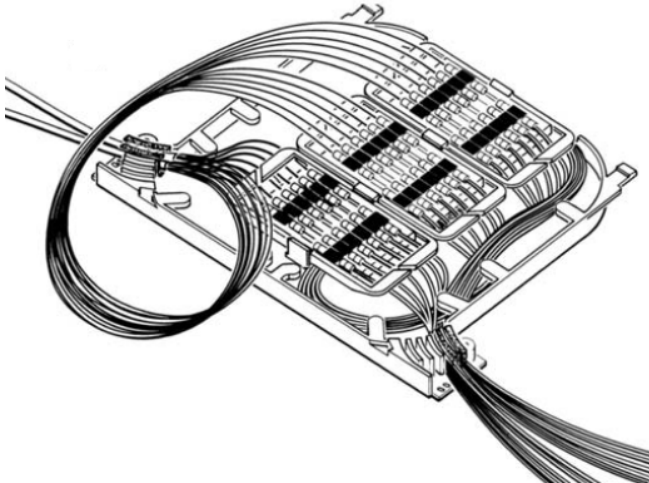

Figure 7

8. Dress feeder and pigtail slack and store in bottom of splice bay ensuring splice tray will not kink or stress fibers beyond cable manufacturers recommended bend tolerances. Splice trays should extend to mechanical stop for inspection and maintenance. Wire saddles and Velcro are supplied in the accessory kit to aid slack storage
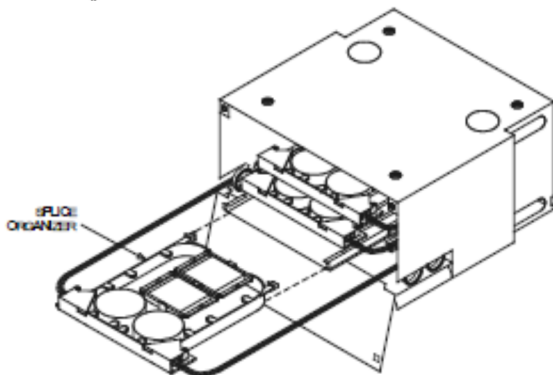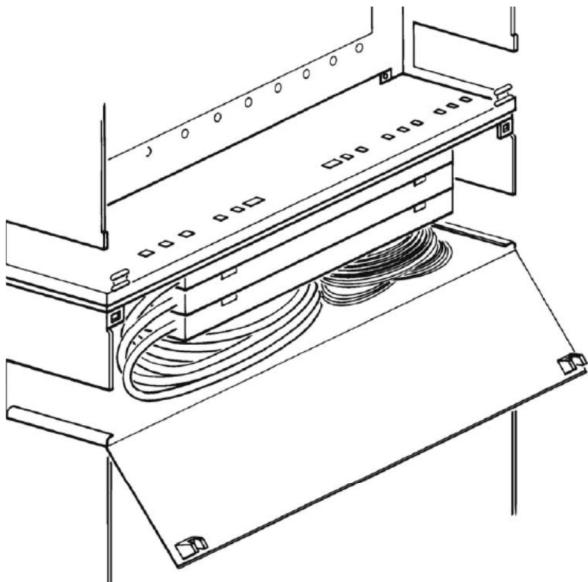

Figure 8

9. Inspect, clean, inspect then test and certify all fiber points per standard test procedures. Use of visual inspection probes and IBC style cleaners is recommended for all fiber distribution panel installations
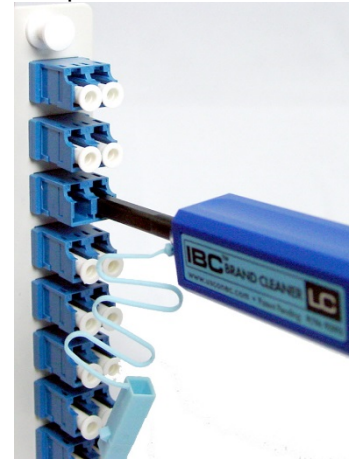

Figure 9