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PAN-NET™ NETWORK
CABLING SYSTEM

Fiber Optic/Multimedia Interconnect Tray

Part Number: FMT48SP

The FMT48SP Fiber Optic / Multimedia Interconnect Tray is designed to provide a fiber cable management solution when using Pan-Net Modular Faceplate Patch Panels or Fiber Adapter Panels (FAP Series). They can be mounted to EIA standard 19" Racks.
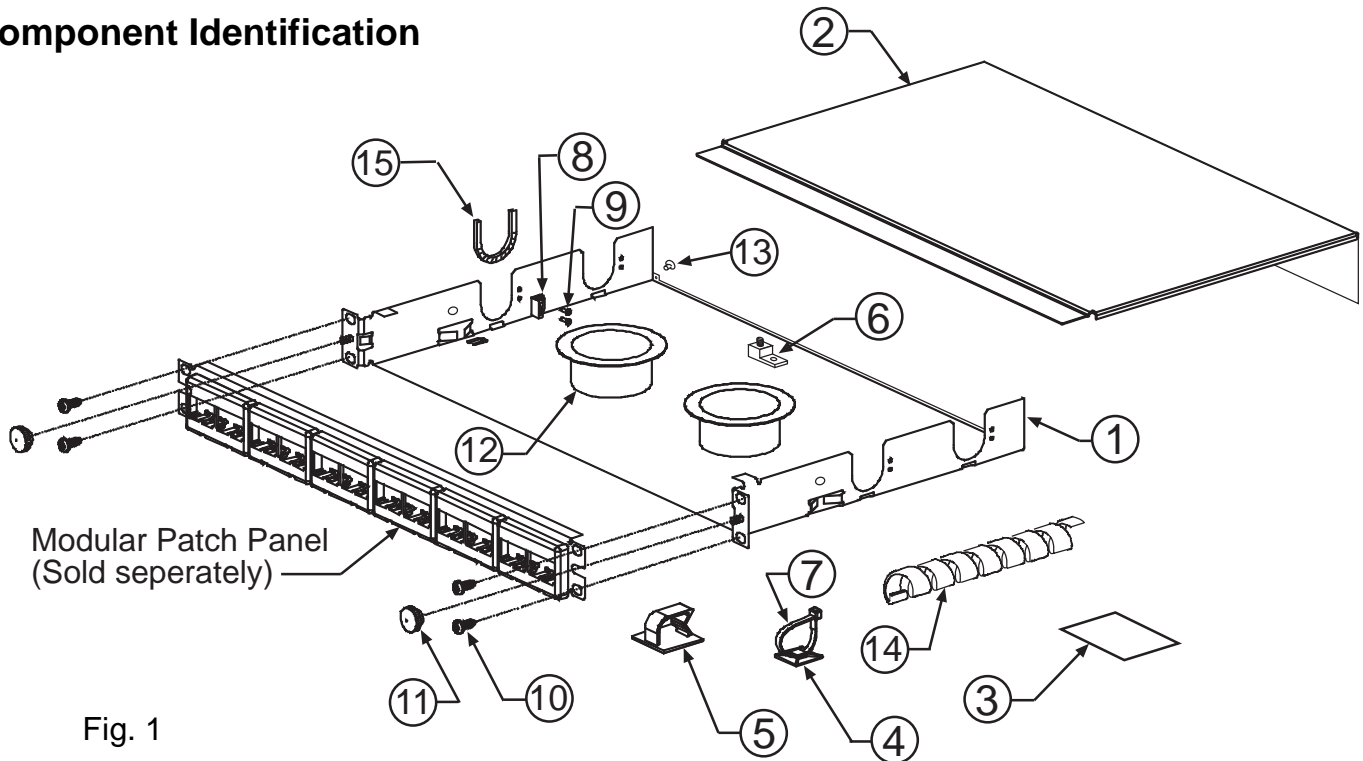
1.0 Component Identification

Modular Patch Panel
(Sold seperately)

Fig. 1

ITEM	PART NUMBER	DESCRIPTION	Qty
1	FMT48SP	Fiber Tray	1
2		Rear Cover	1
3		Warning Label	2
4	ABM2S-A-D14	4-way Adhesive Backed mount	2
5	BEC75-A-L20	Clip	2
6	LAMA2-14-Q	Grounding Barrel Lug	1
7	PRT2S-M0	Pan-Ty	10
8	RAMS-S3-M14/N	Right Angle Mounts	4
9		Plastic Rivets	14
10		#12-24 Mounting Screws	4
11		Knobs	2
12	FMS	Adhesive Backed Fiber Spools	2
13		Push Rivets	2
14		Spiral Wrap 24" Long	1
15		Grommet Edging 5" Long	4

Recommended Tool: Cable Tie Installation Tool (recommend Panduit GS2B set in INT setting)

For Technical Assistance Call: 888-506-5400, Ext. 6914

2.0 Cautions

2.1 Fiber optic cable is sensitive to excessive pulling, bending and crushing forces. Consult the manufacturer's cable specification sheet for the specific cable in use.

2.2 Follow TIA/EIA 568-A, 569, 606, and 607 installation guidelines where applicable.

2.3 DANGER: UNMATED CONNECTORS MAY EMIT INVISIBLE LASER RADIATION. DO NOT LOOK DIRECTLY INTO THE END OF THE CONNECTOR, DO NOT INSPECT WITH MAGNIFYING DEVICES. MAINTAIN CAP ON UNMATED CONNECTORS.
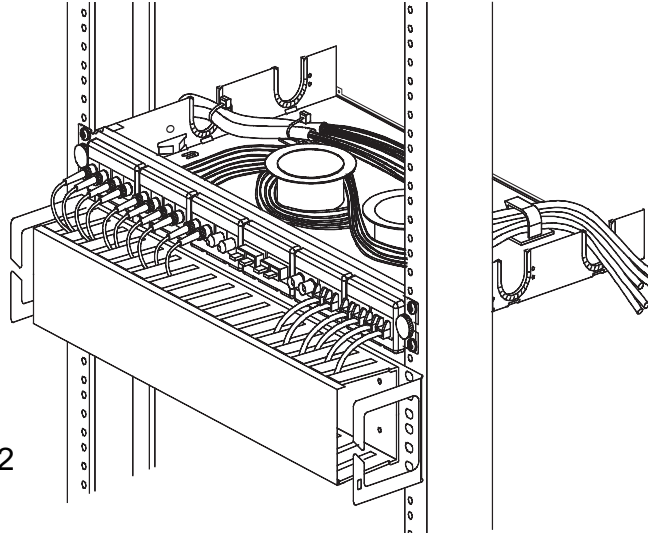

Fig. 2

3.0 MOUNTING

3.1 Select the desired mounting location on a standard EIA 19" rack or cabinet.

Remove rear cover of tray and align Modular Patch Panel (CPP24WBL, MPP24WBL, CPP48WBL, MPP48WBL) onto welded studs located on front side of the Fiber Optic/Multimedia Interconnect Tray.

Mount modular patch panel and tray onto rack (CMR 19x84) or cabinet using 4 #12-24 mounting screws.

Secure modular panel to tray by using two knobs over welded studs, finger tighten only.

3.2 Determine side opening through which fiber cable will be routed. Install right angle mount and grommet.

Secure outer jacket of fiber cable with cable tie through right angle mount. Refer to cable installation section 4.0 for recommended cable slack length.

To manage fiber slack and provide additional strain relief position 4-way adhesive mount onto base of tray or drawer and secure with a cable tie.

To avoid over tightening of cable it is recommended to use Panduit Cable Tie Tool GS2B at INT setting.

Strain relief/grounding lug has been provided for securing the inner support member of aramid yarn as shown in Fig. 1.   Refer to cable installation section 4.0 for recommended lengths.

3.3 Allow 2" (5.08cm) between each spool to maintain recommended fiber cable bend radius. Install by removing adhesive protective layer and press firmly in place.

3.4 If splicing is required allow room for splice tray. Refer to Fig. 5 for splice tray dimensions.

3.5 Adhesive backed Bevel clips can also be used to manage patch cords and fiber UTP or Coax cable slack.

3.6 Grommet edging provided or optional Panduit Spiral Wrap can also be used to protect cable further from sharp bends when innerduct is not used. Secure Spiral Wrap to rack and side or rear openings of interconnect tray.

4.0 CABLE INSTALLATION

4.1 Prepare fiber cable by stripping jacket back 60 in. or more. Secure central strength member or aramid yarn to grounding lug. Secure fiber cable further within interconnect trayor drawer per options below:

OPTION 1   USING 1" or 1-1/2" INNERDUCT

4.2 Route directly into interconnect tray or drawer opening and secure in place by using a PLT2S cable tie routed through a rectangular slot at the base of the opening. Place a 4-way adhesive mount (ABM2S-A) in the desired location. Secure the fiber cable jacket to the adhesive mount with a cable tie (PLT2S). To avoid over tightening of the cable it is recommended to use a Panduit Cable Tie Tool (GS2B).
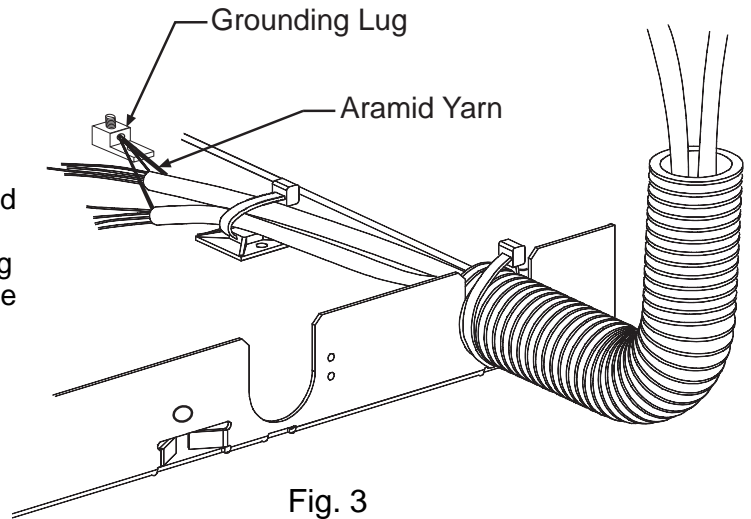

Fig. 3

OPTION 2   MOUNTING WITHOUT INNERDUCT

4.3 If space does not allow routing of innerduct, attach a Right angle Mount (RAMS-53) onto a side opening using the plastic rivets. Secure the fiber cable jacket to the right angle mount with a cable tie (PLT2S). To avoid over tightening of the cable it is recommended to use a Panduit Cable Tie Tool (GS2B).
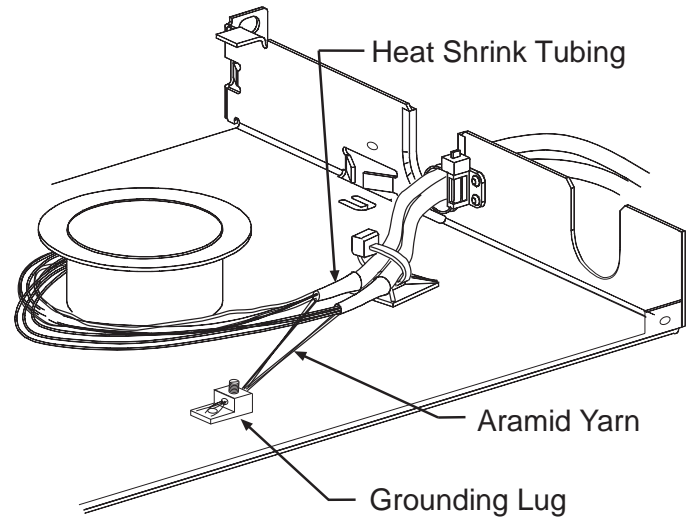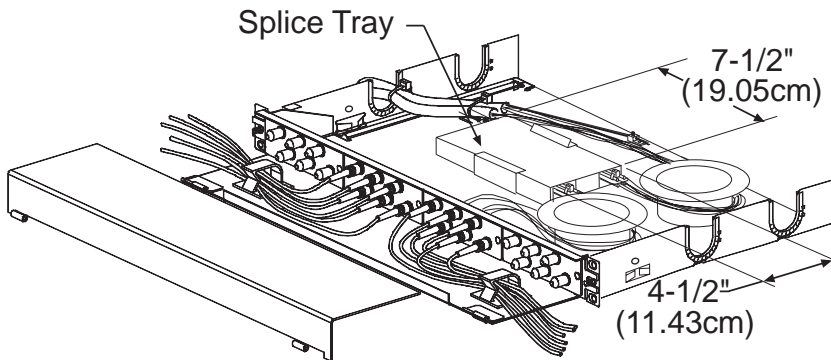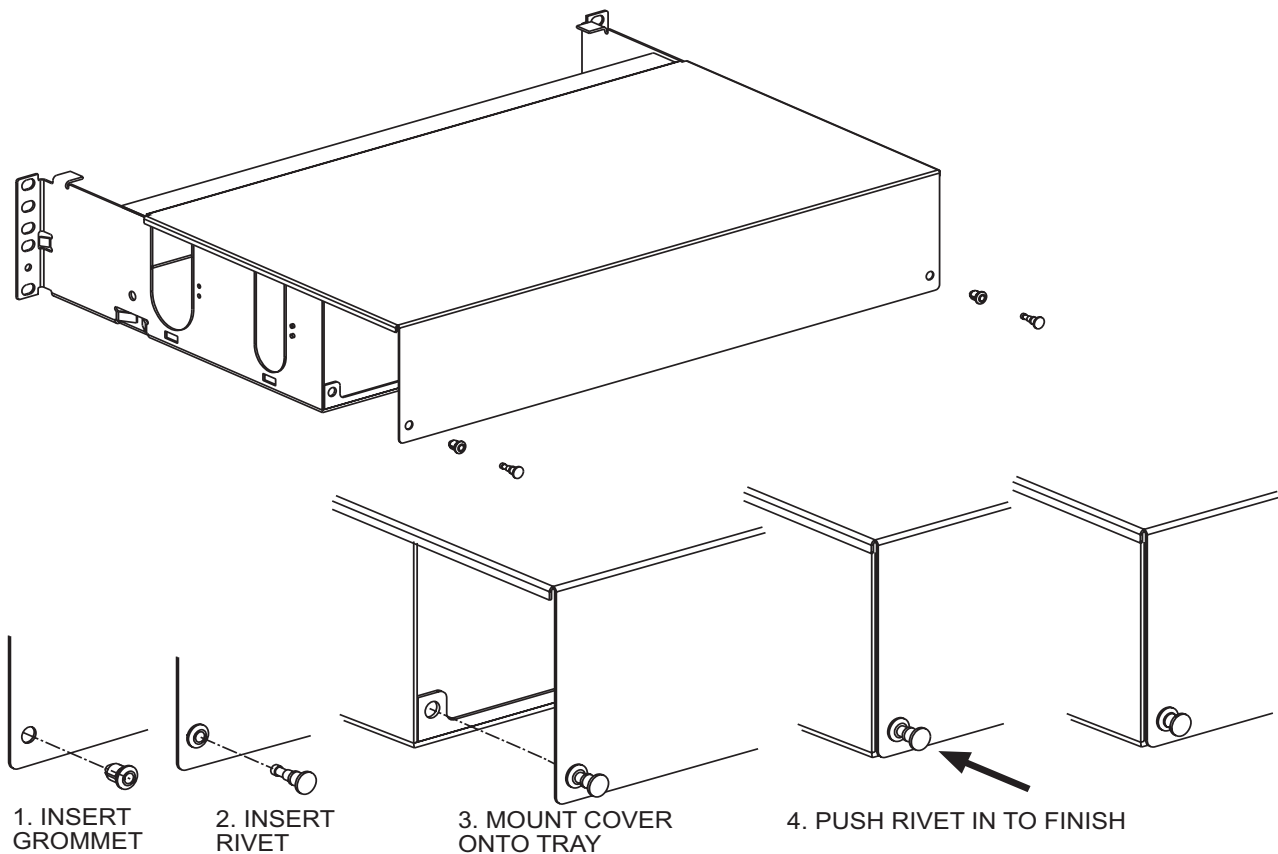

Fig. 4

Fig. 5

INSTALLATION INSTRUCTIONS

5.0 MODULES

5.1 Terminate Panduit OptiJack per Instruction Sheet PN77 & Pan-Jack ™ per Instruction Sheet PN02. Insert into Modular Faceplate Panel or FMP6. Group similar media together (all copper on one side fiber to the other). Pan-Net™ Fiber ST or SC Adapter Modules can be inserted into Snap-In Faceplate panel before or after Interconnect Tray is mounted to Communication Rack.

6.0 REAR COVER INSTALLATION

6.1 Insert rear cover grommets and rivets as illustrated below. Slide rear cover in place and push the rivets into locked position. Place adhesive warning label onto cover. Panduit Snap-In Faceplate Labels can be used for individual port identification per TIA/EIA 606 termination position labeling requirements.

1. INSERT GROMMET   2. INSERT RIVET   3. MOUNT COVER ONTO TRAY   4. PUSH RIVET IN TO FINISH

NOTE: Snap-In Faceplate Patch Panels, UTP, Coax and Fiber Adapter Modules not included.