PANDUIT

HD Flex Universal Cable Management Bracket Kits

Part Number(s): FLEX-CM-1UB, FLEX-CM-1UBKIT
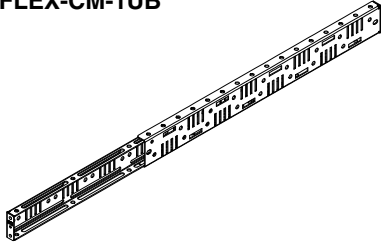
INSTALLATION INSTRUCTIONS **FS137**

Multiple holes on the front and rear brackets allow the length of the assembly to be adjustable. Therefore, the product can be a length of 19.38" [429mm] minimum to 31.95" [812mm] maximum to install universally on racks and cabinets.
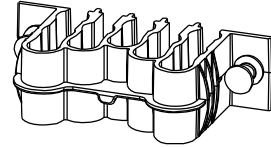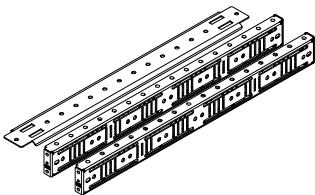
FLEX-CM-1UB*

Kit Specific Hardware
- #10-32 x 1" Screws
- #10-32 Wing Nuts
- #10 Washer
- #12-24 x 1" Screw
- M6 x 1 x 25mm Screw
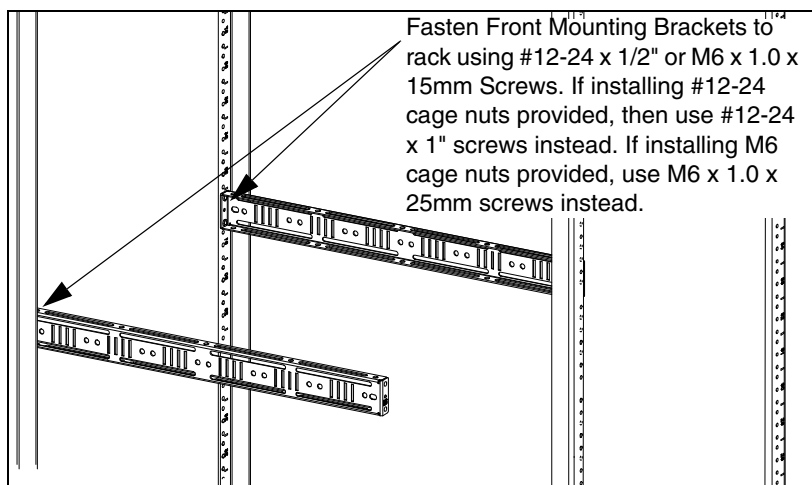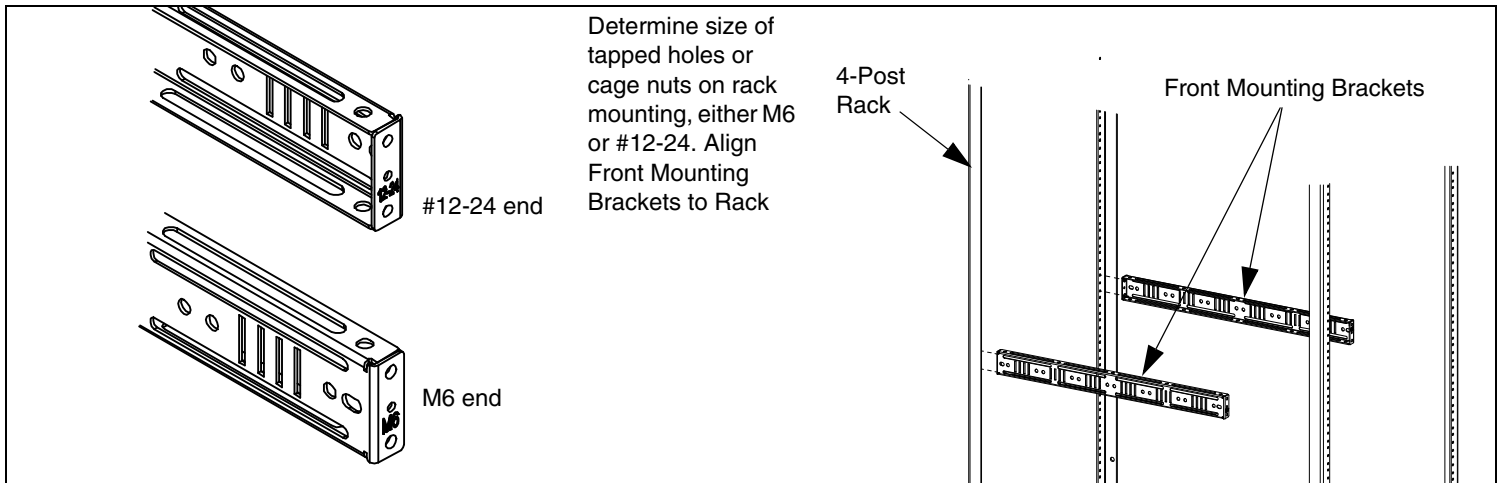
* (2) each
** (4) each

FLEX-CM-1UBKIT**

Common Hardware:
- (4) #12-24 x 1/2" Mounting Screws
- (4) M6 x 1.0 x 15mm Mounting Screws
- (4) #12-24 Cage Nuts
- (4) M6 x 1.0 Cage Nuts

FLEX-CLIP-12 (4) 12-Position Clips (sold separately)

FLEX-CLIP-18 (4) 18-Position Clips (sold separately)
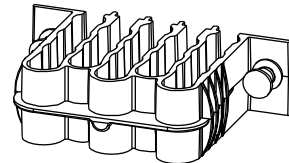
1. Installation Instructions for Mounting Brackets FLEX-CM-1UB (qty (2) shown)

#12-24 end

M6 end

Determine size of tapped holes or cage nuts on rack mounting, either M6 or #12-24. Align Front Mounting Brackets to Rack

4-Post Rack

Front Mounting Brackets

Fasten Front Mounting Brackets to rack using #12-24 x 1/2" or M6 x 1.0 x 15mm Screws. If installing #12-24 cage nuts provided, then use #12-24 x 1" screws instead. If installing M6 cage nuts provided, use M6 x 1.0 x 25mm screws instead.

Front mounting bracket

Assembly

Front mounting bracket

Rack

Rear mounting bracket

Rear mounting bracket

Align Rear Mounting Brackets over Front Mounting Brackets and align to opposite rails of rack.

Front Mounting bracket

Front Mounting bracket

Rear Mounting Bracket

Opposite rail of rack

Fasten Rear Mounting Brackets to opposite rails of rack using #12-24 x 1/2" or M6 x 1.0 x 15mm Screws & corresponding Cage Nuts if necesssary. Fasten Rear Mounting Brackets to Front Mounting Brackets using #10-32 X 1" Screws, #10 Washers, & #10-32 Wing Nuts through the horizontal slots.

Front Mounting Bracket

#10-32 X 1" Screws, washers & wing nuts installed through these horizontal slots.

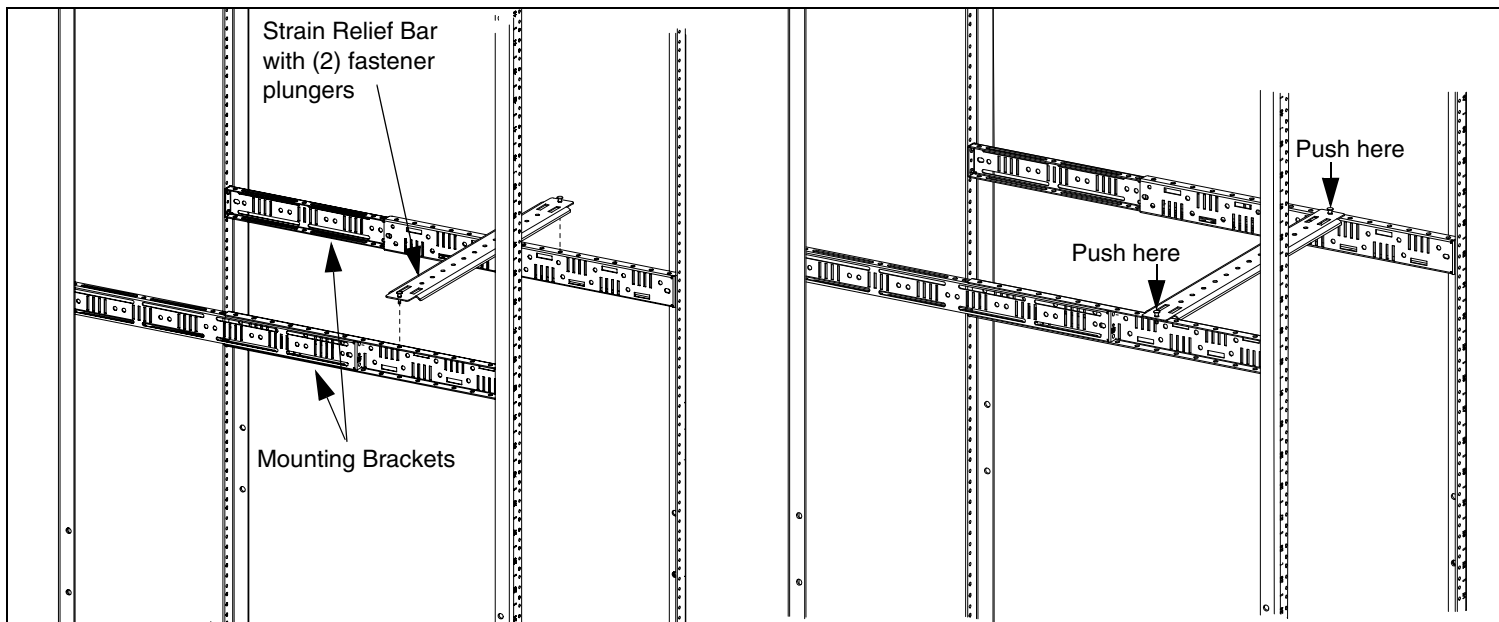Opposite rail of rack

Rear Mounting Bracket

NOTE: If installing strain relief bar from FLEX-CM-1UBKIT, do not completely tighten wing nuts at this time.
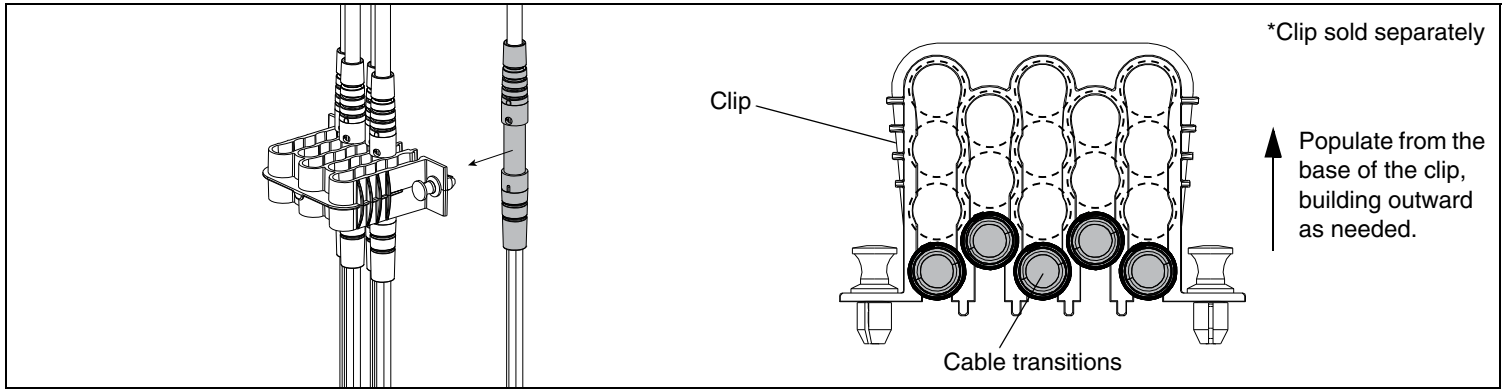
2. Additional Installation Instructions for FLEX-CM-1UBKIT

Install mounting brackets as shown in step 1 on page 1. Install strain relief bar onto brackets. Push down on fastener plungers to mount.
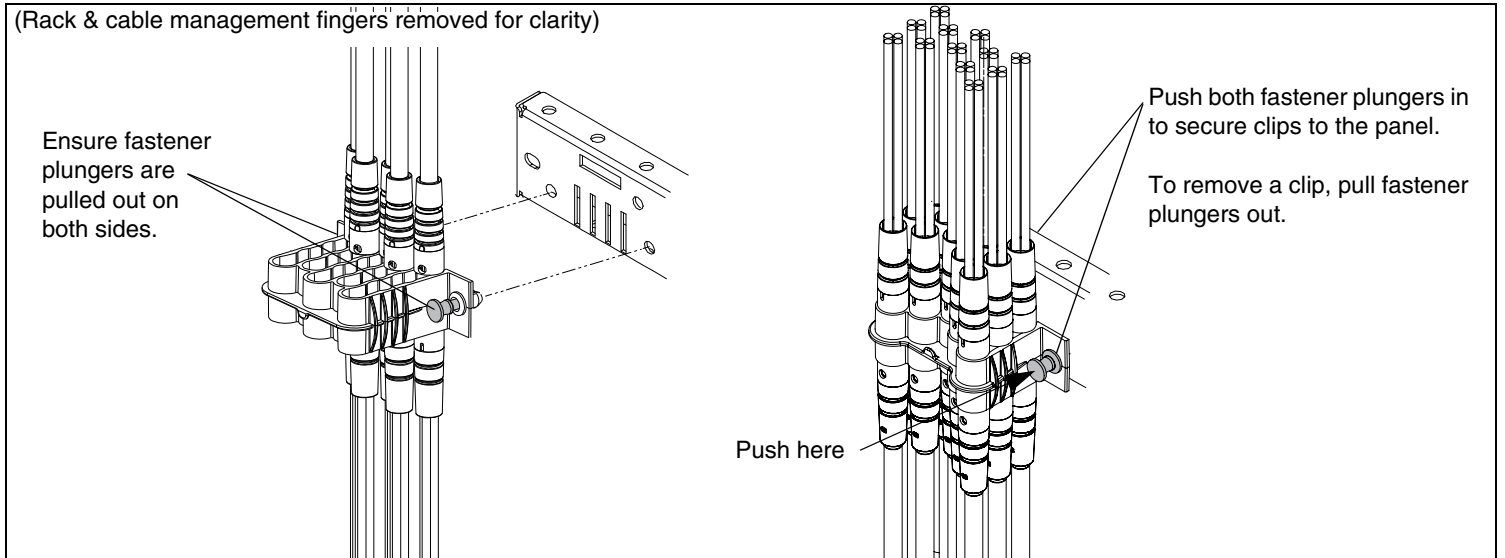
Strain Relief Bar with (2) fastener plungers

Mounting Brackets

Push here

Push here

Fully tighten wing nuts to screws at this time.

3.A Install Cable Transitions to Clips*

*Clip sold separately

Clip

Populate from the base of the clip, building outward as needed.

Cable transitions

3.B Install Clips to Universal Cable Manager Bracket

(Rack & cable management fingers removed for clarity)

Ensure fastener plungers are pulled out on both sides.

Push both fastener plungers in to secure clips to the panel.

To remove a clip, pull fastener plungers out.

Push here

3.C Clip Configuration and Recommended Cable Routing.

FLEX-CM-1UB

FLEX-CLIP-12

HD Flex Patch Panel

4RU

FLEX-CM-1UBKIT

11-3/4"

HD Flex 4RU
Enclosure

HD Flex Enclosure Tray

4RU

FLEX-CM-1UB

HD Flex 4RU
Enclosure

FLEX-CLIP-12
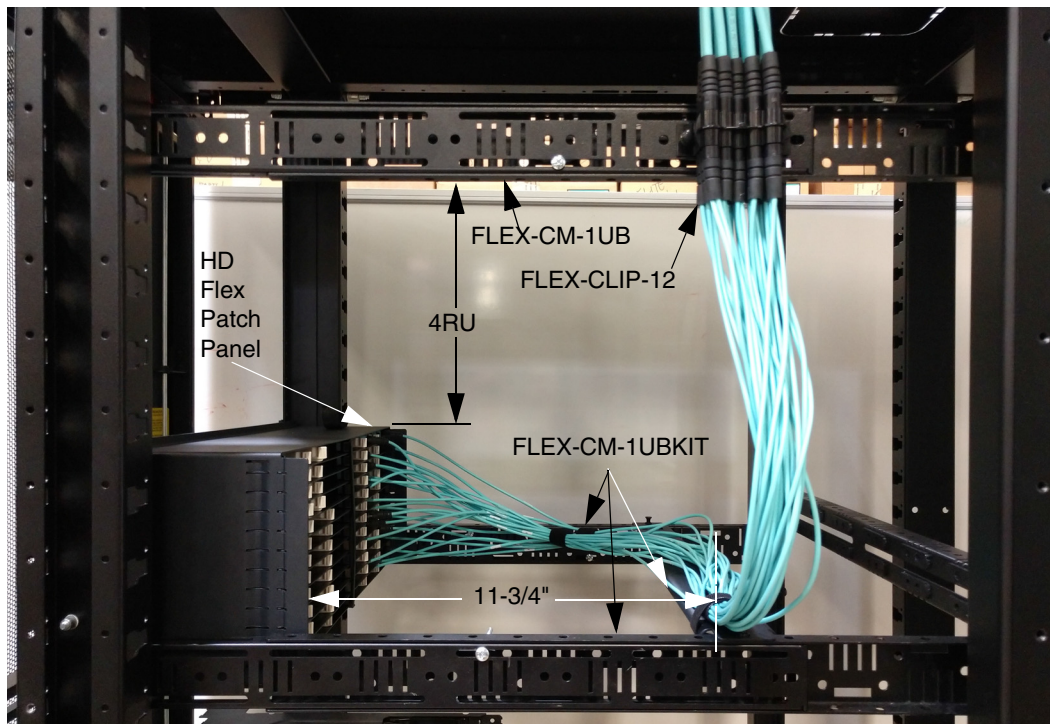
4. Install Tak-Ty / Cable Management Clips (Alternate Installation)

Tak-Ty
HBS2S-** (sold
separately)

Cable Management Clips
HCMP06B12-C20 or
HCMP06C12-C20 (sold
separately)
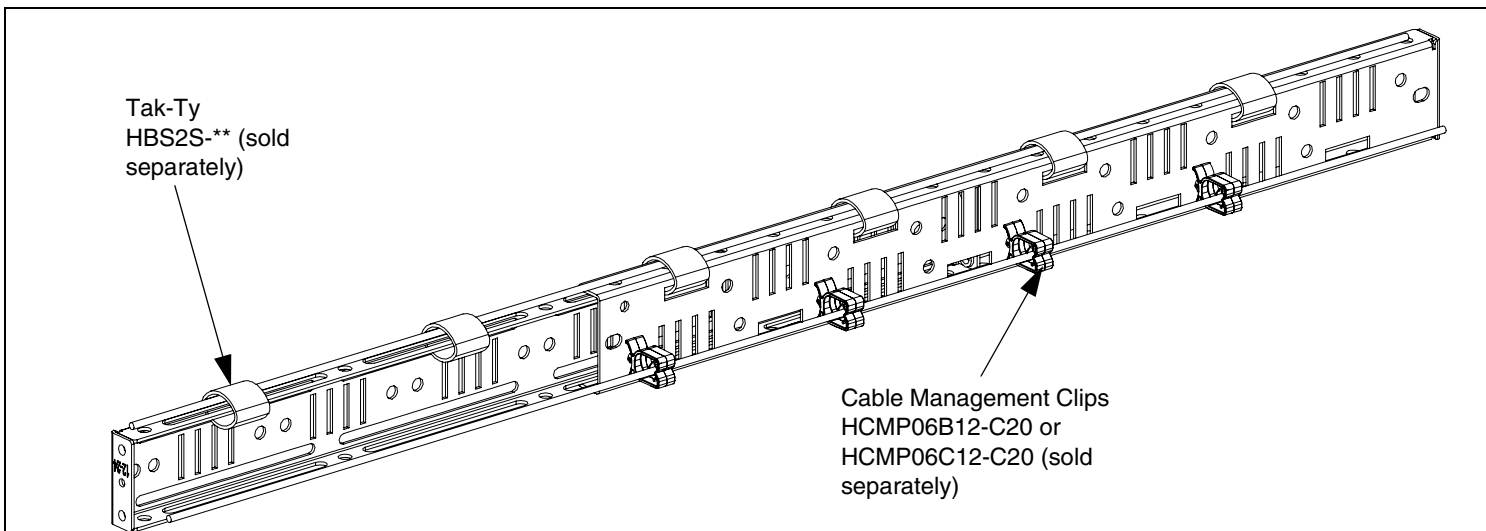
It is possible to hold any vendor's cable or cable transition to front & rear brackets with two alternative methodologies: Tak-Ty (hook-n-loop cable tie) and harness clip fasteners (cable management clips). Cables can be secured to the left or right mounting brackets or strain relief bar with 0.75 inch wide Tak-Ty (hook-n-loop cable ties) which mount through the horizontal slits or cable management clips. The cable management clips mount into 0.25 inch diameter holes located on the brackets.

FLEX-CM-1UBKIT Cable Routing

Use Tak-Ty (hook-n-loop cable ties) to secure trunk cables to the strain relief bar at the location(s) shown. Create a slack loop for all incoming trunk cables as shown. Slack is required to allow movement of the trays from the front of the enclosure. For split routing of cables, allow a minimum of 28" of slack from the rear off the installed enclosure or fiber cassette panel (neither shown) to the tie down point(s). When routing cables all to one side, allow a minimum of 32" slack from the far side of the enclosure to the tie down point.

6.5"

Strain
Relief
Bar

Strain Relief Bar

Tak-Ty (hook-n-loop) tie down points

Split Routing Views of Cable

Tak-Ty (hook-n-loop) tie down point

Routing Cables to One Side
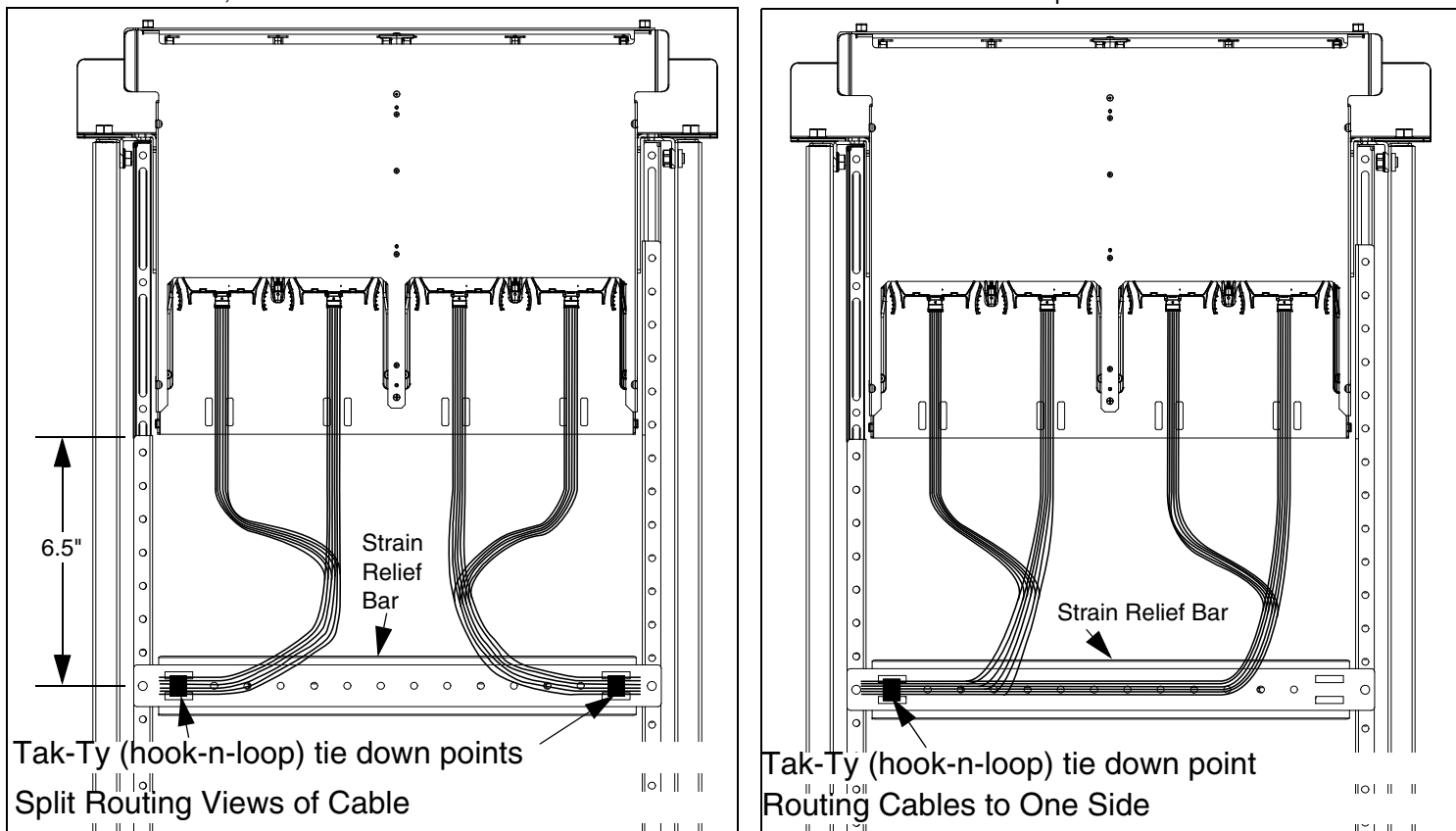
**For Instructions in Local Languages
and Technical Support:**

www.panduit.com/resources/install_maintain.asp

PANDUIT

www.panduit.com

E-mail:
techsupport@panduit.com

Phone:
866-405-6654