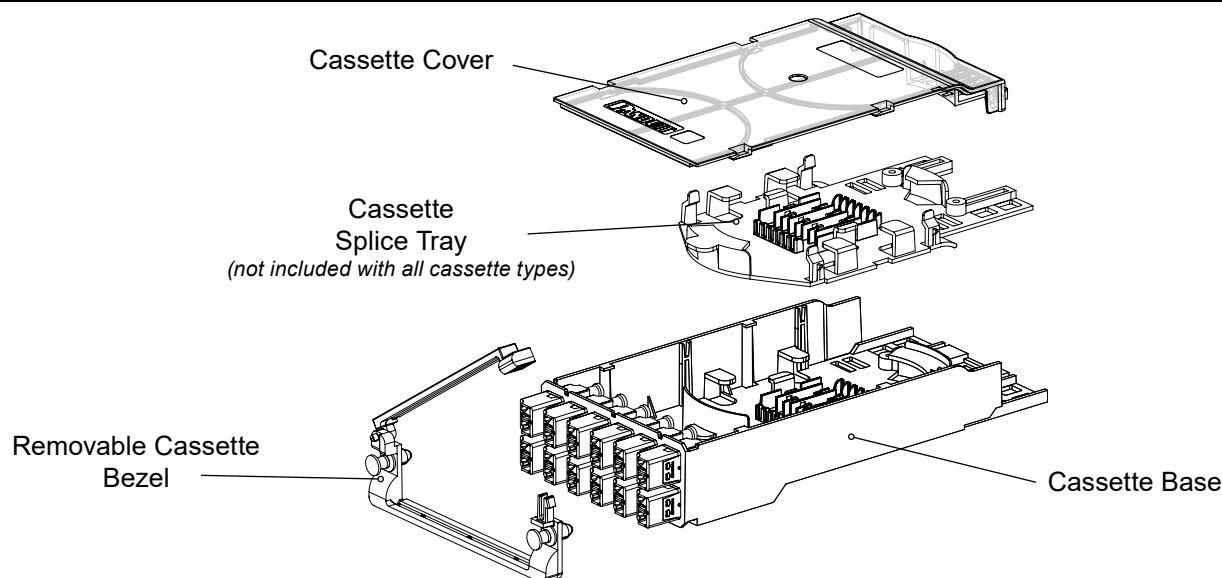


Opticom Splice Cassettes Overview

Opticom Splice Cassette Part Numbers & Descriptions		
Connector Type	Part Number	Description
No Connectors	FCS2-48	Opticom Splice Cassette Cable-to-Cable
Duplex LC	FCS29N-12-LSP	Opticom LC Splice Cassette Preloaded with 12 OS2 LC Pigtails (250um), Standard IL
	FCS29N-12-LAP	Opticom LC Splice Cassette Preloaded with 12 OS2 LC APC Pigtails (250um), Standard IL
	FCS2ZO-12-LSP	Opticom LC Splice Cassette Preloaded with 12 OM4 LC Pigtails (250um), Optimized IL
	FCS29N-24-LSP	Opticom LC Splice Cassette Preloaded with 24 OS2 LC Pigtails (250um), Standard IL
	FCS29N-24-LAP	Opticom LC Splice Cassette Preloaded with 24 OS2 LC APC Pigtails (250um), Standard IL
	FCS2ZO-24-LSP	Opticom LC Splice Cassette Preloaded with 24 OM4 LC Pigtails (250um), Optimized IL
	FCS29O-24-LSR	Opticom LC Splice Cassette Preloaded with (2) OS2 LC Ribbon Pigtails (250um), Optimized IL
Duplex SC	FCS29N-12-03P	Opticom SC Splice Cassette Preloaded with 12 OS2 SC Pigtails (250um), Standard IL
	FCS29N-12-3GP	Opticom SC Splice Cassette Preloaded with 12 OS2 SC APC Pigtails (250um), Standard IL
	FCS2ZO-12-03P	Opticom SC Splice Cassette Preloaded with 12 OM4 SC Pigtails (250um), Optimized IL
MPO	FCS29O-24-MPP	Opticom MPO Male Splice Cassette Preloaded with 24 OS2 Pigtails (250um), Optimized IL
	FCS29O-24-MPR	Opticom MPO Male Splice Cassette Preloaded with (4) OS2 Ribbon Pigtails (250um), Optimized IL
	FCS2ZO-24-MPP	Opticom MPO Male Splice Cassette Preloaded with 24 OM4 Pigtails (250um), Optimized IL
	FCS2ZO-24-MPR	Opticom MPO Male Splice Cassette Preloaded with (2) OM4 Ribbon Pigtails (250um), Optimized IL
	FCS29O-48-MPR	Opticom MPO Male Splice Cassette Preloaded with (4) OS2 Ribbon Pigtails (250um), Optimized IL
	FCS2ZO-48-MPR	Opticom MPO Male Splice Cassette Preloaded with (4) OM4 Ribbon Pigtails (250um), Optimized IL



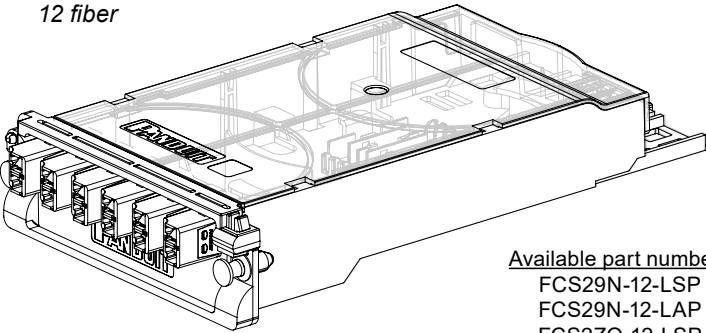
WARNING: UNMATED CONNECTORS MAY EMIT INVISIBLE LASER RADIATION. MAINTAIN DUST CAPS ON UNMATED CONNECTORS.

CAUTION:

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.

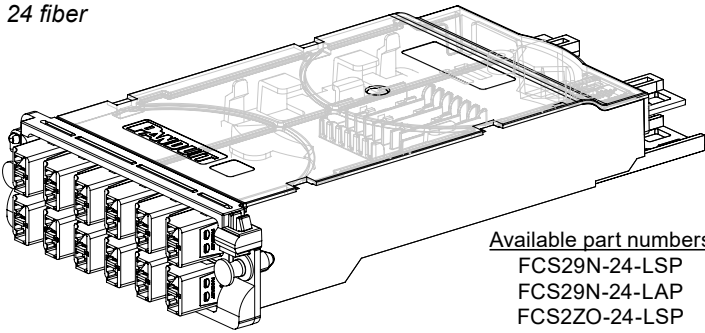
Opticom Splice Cassette Types and Part Numbers

6 Duplex LC
12 fiber



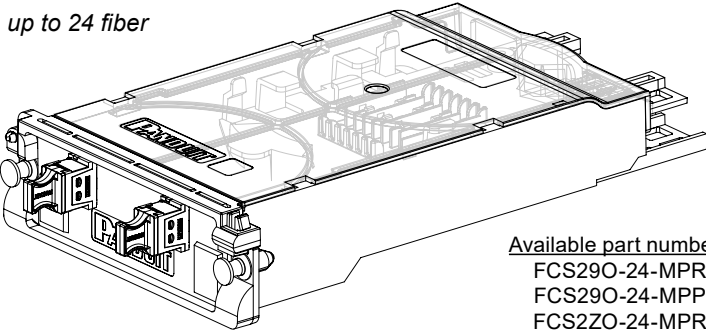
Available part numbers
FCS29N-12-LSP
FCS29N-12-LAP
FCS2ZO-12-LSP

12 Duplex LC
24 fiber



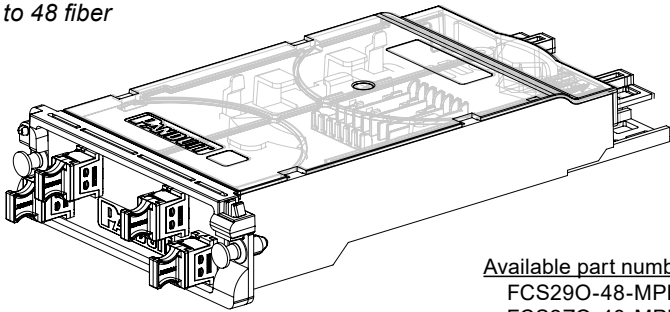
Available part numbers
FCS29N-24-LSP
FCS29N-24-LAP
FCS2ZO-24-LSP
FCS29O-24-LSR

2 MPO
up to 24 fiber



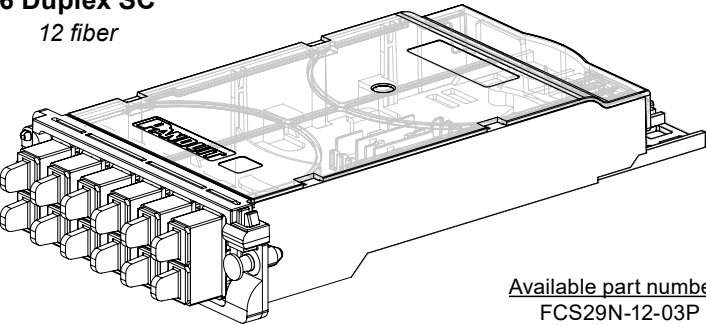
Available part numbers
FCS29O-24-MPR
FCS29O-24-MPP
FCS2ZO-24-MPR
FCS2ZO-24-MPP

4 MPO
up to 48 fiber



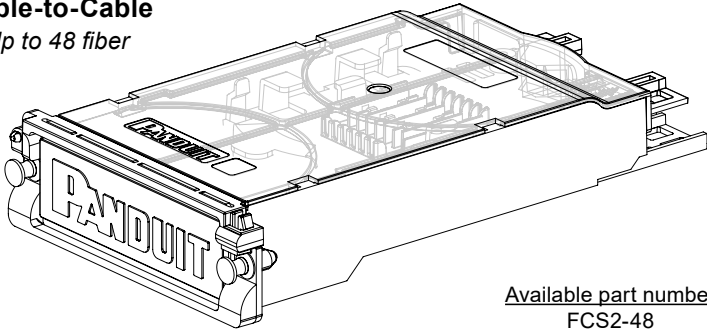
Available part numbers
FCS29O-48-MPR
FCS2ZO-48-MPR

6 Duplex SC
12 fiber



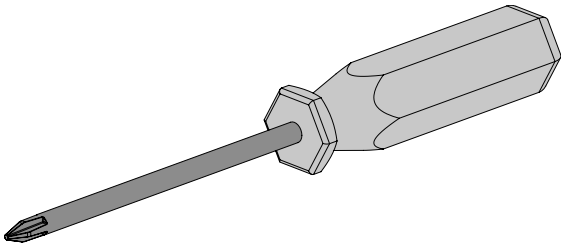
Available part numbers
FCS29N-12-03P
FCS29N-12-3GP
FCS2ZO-12-03P

Cable-to-Cable
Up to 48 fiber

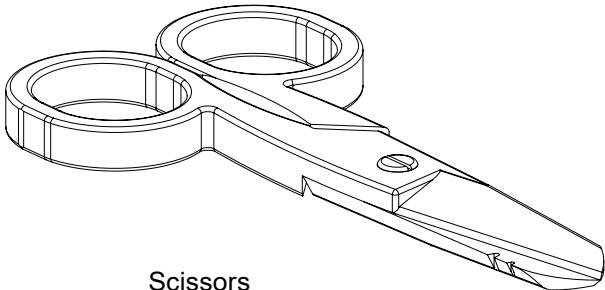


Available part number
FCS2-48

Tools List

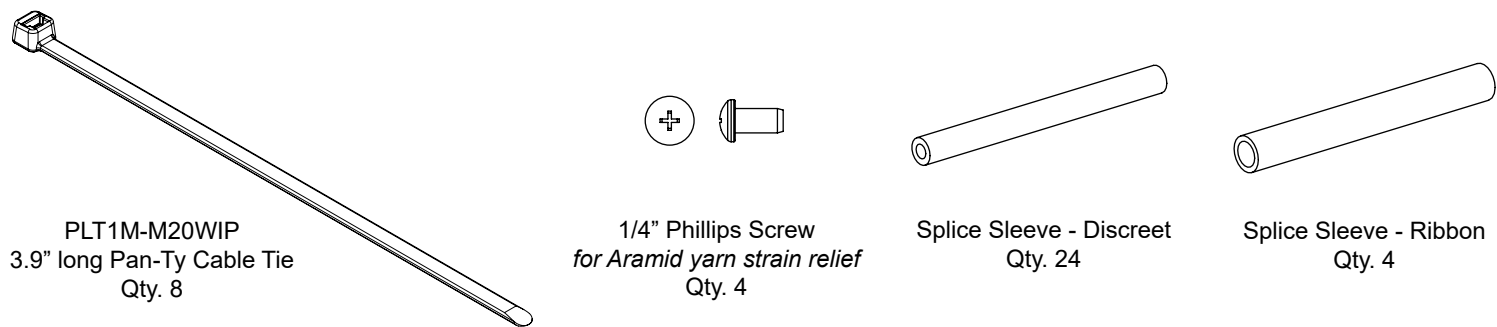


#2 Phillips screwdriver



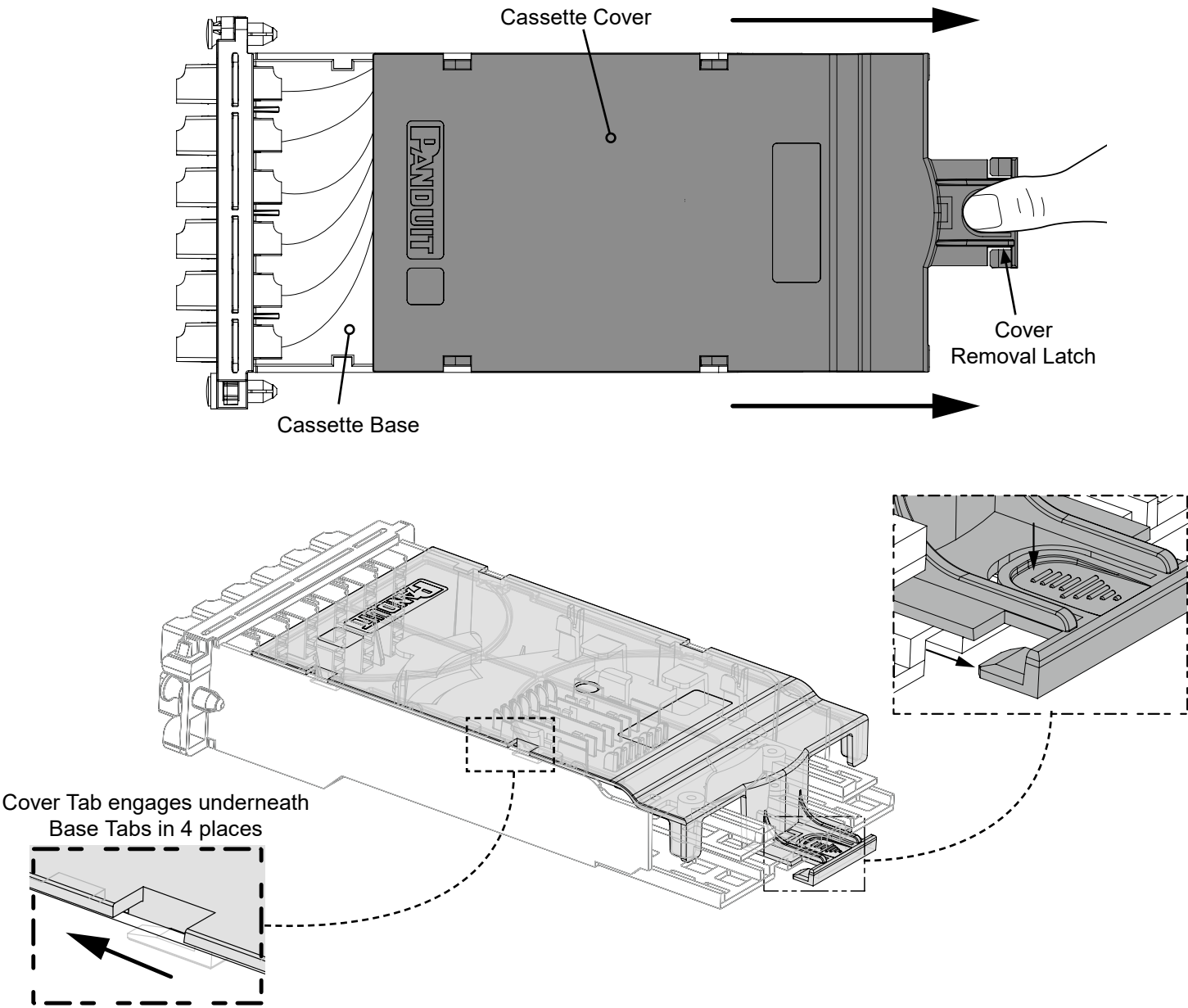
Scissors

Hardware included:



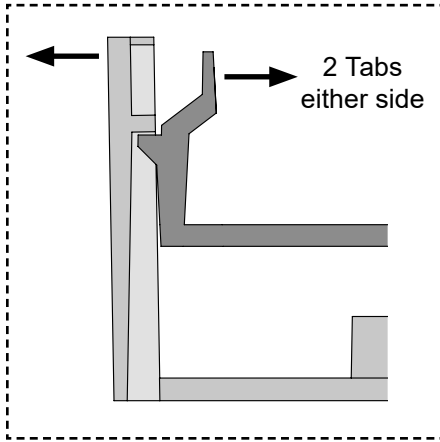
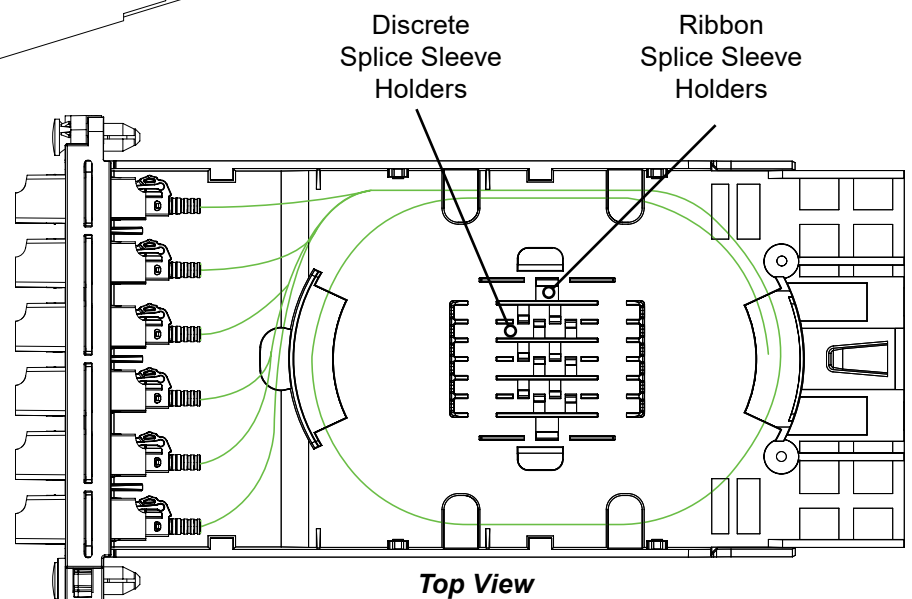
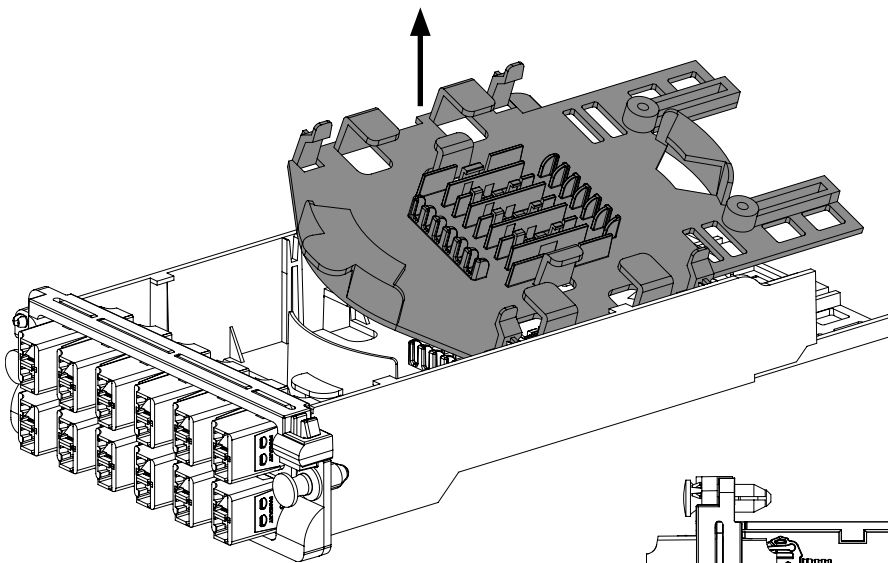
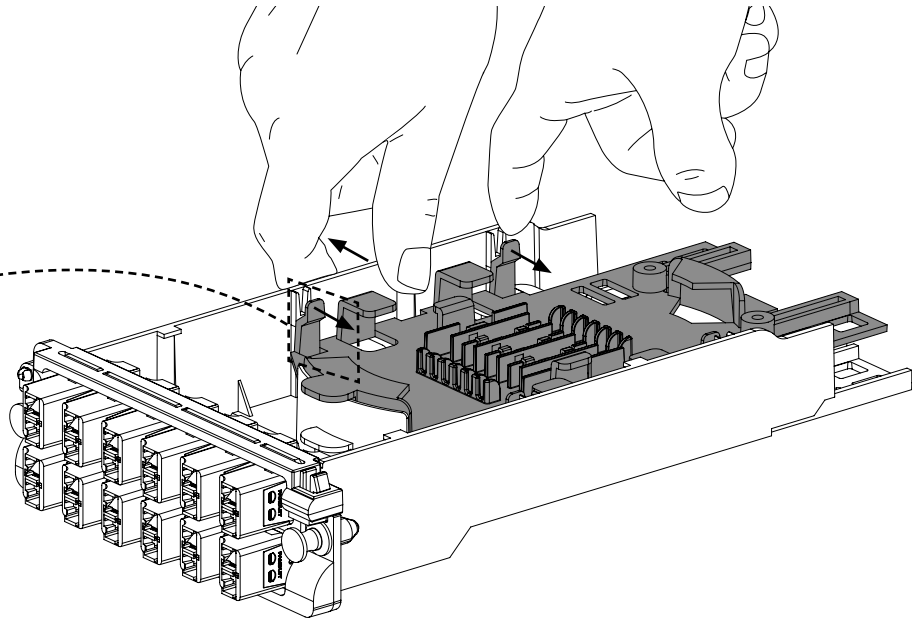
Remove & Install Cover from the Base

- Push down the Cover Removal Latch in the rear of the cassette and slide Cover back until the 4 tabs clear.
- **Reverse steps to re-install Cover pushing forward until the Cover Removal Latch ‘clicks’ into place**



Remove Splice Tray from the Base (if equipped)

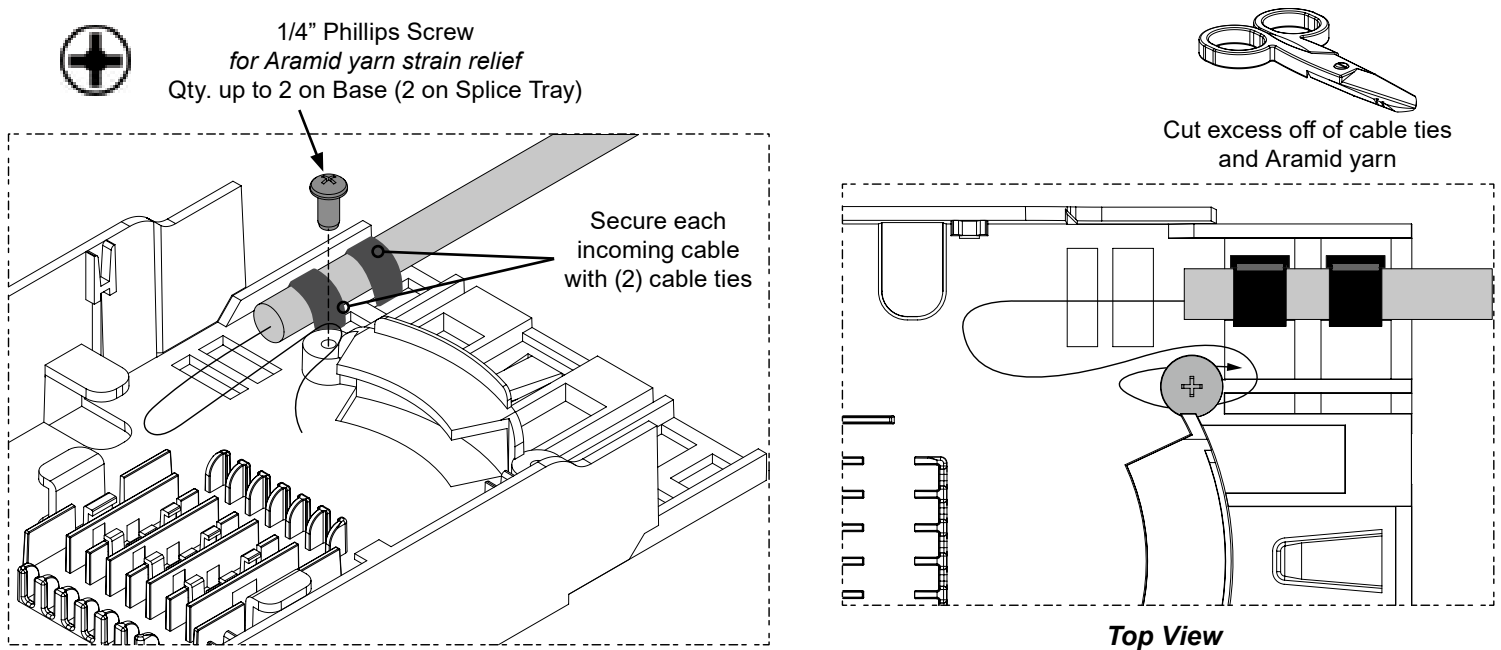
- Begin splicing in the Base. If cassette is equipped with Splice Tray, temporary removal of the Splice Tray is necessary.
- Carefully remove the fiber ends from any fiber pigtailed coiled in the Splice Tray and set them off to the side until later.
- Squeeze (2) tabs on the Splice Tray inward and/or pull Base wall outward to release the Splice Tray from the Base.
- Begin splicing using the Splice Sleeve Holders in the Base first.

**Front Section View**

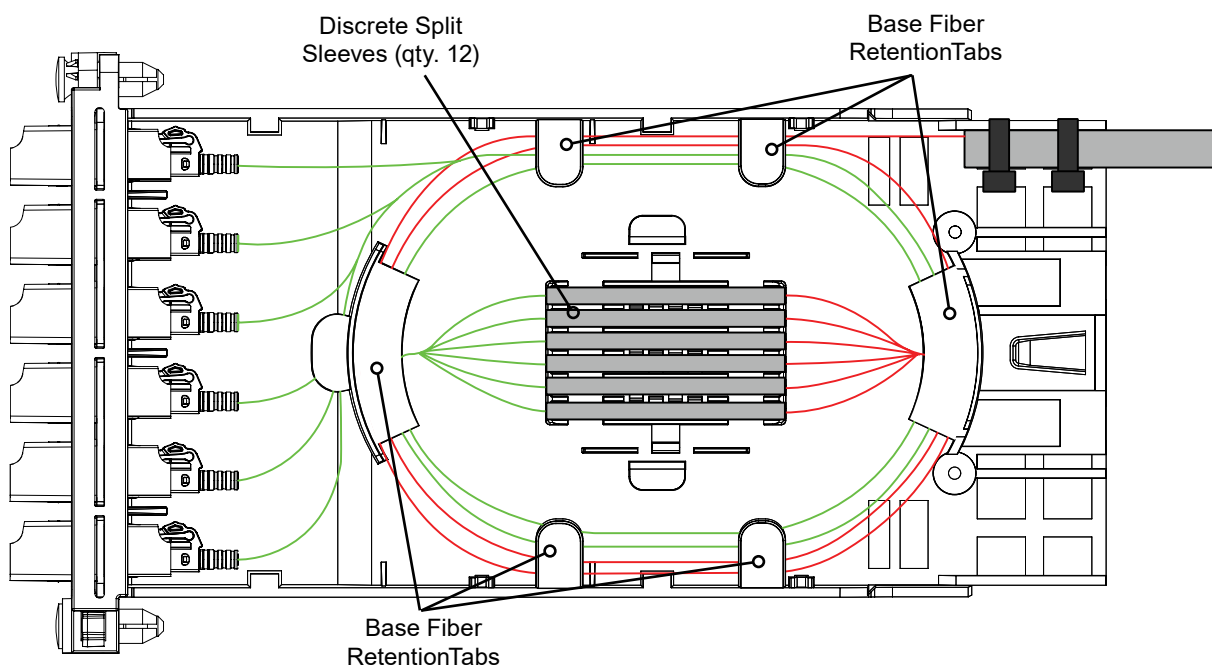
Base Splice Sleeve Holders
2 ribbon, 12 discrete

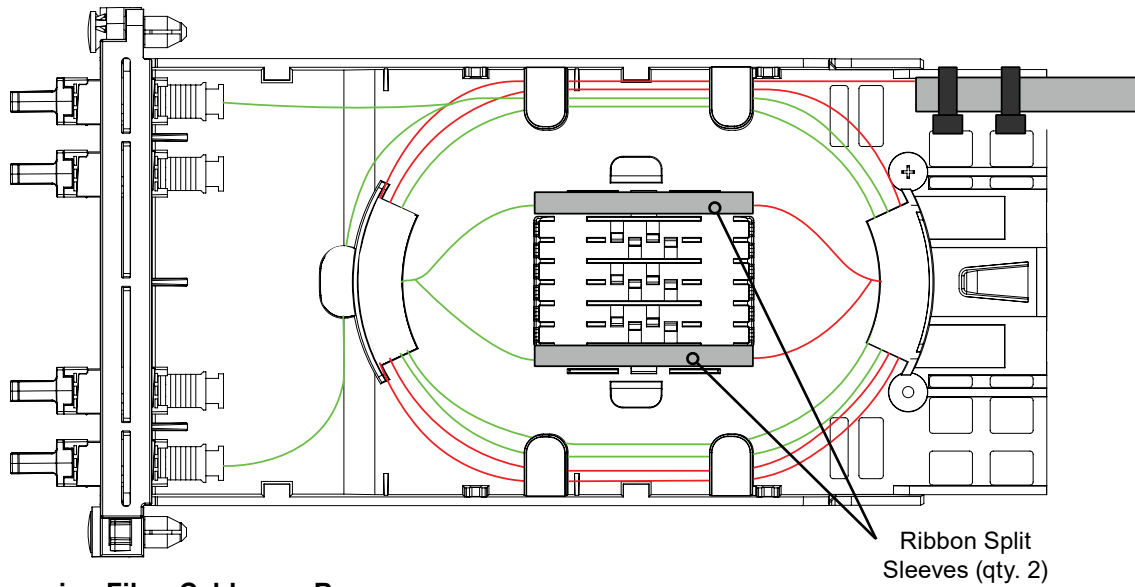
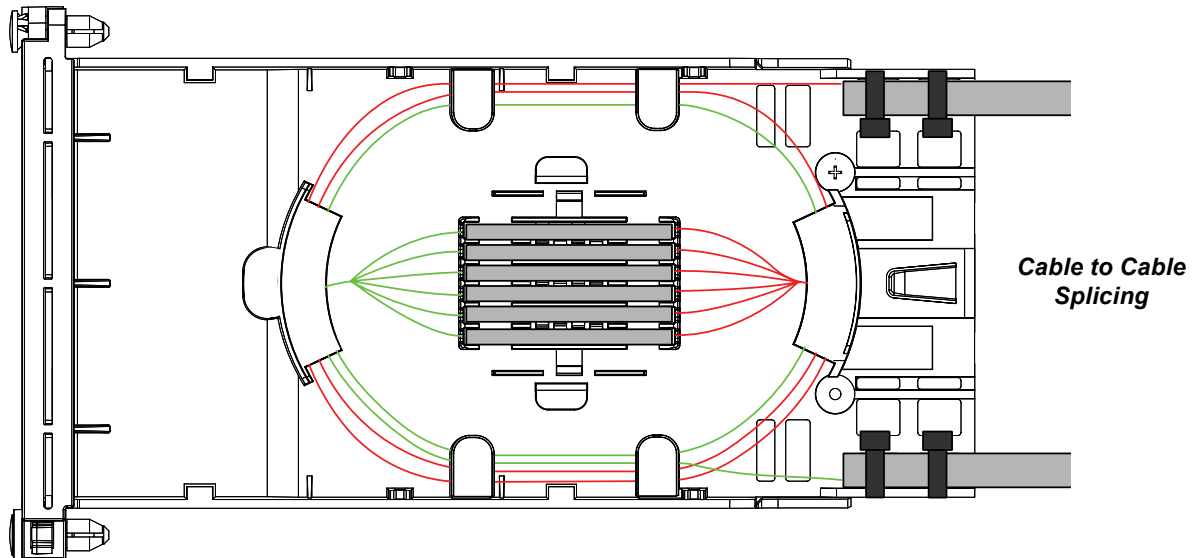
Installing/Splicing Incoming Fiber Cable on the Base

- Strip incoming fiber cable outer jacket 20 inches (.5 meters).
- Secure incoming fiber cable with (2) provided Pan-Ty Cable Ties (*note: splicing can be done prior to securing if preferred*).
- Optional** - Secure incoming fiber cable(s) Aramid yarn to the Base using the provided screw(s).
- Expose all fiber ends for splicing. Slide a splice sleeve onto either the (pigtail or field) fiber.
- Strip off approximately 1.375" (35mm) of coating from each fiber and clean with isopropyl alcohol.
- Cleave the fiber so that .400" (10mm) of bare fiber extends past the fiber coating.
- Note: Do not clean the bare fiber after it has been cleaved, and do not let it come in contact with any surfaces.**
- Splice all fibers and heat splice sleeve(s). Refer to splicer manufacturer best practice instructions.
- Route spliced fibers into cassette ensuring fibers are located under the Base tabs.
- Secure splice sleeves into the Splice Sleeve Holders. *Base contains capacity for 12 discrete or 2 ribbon.*

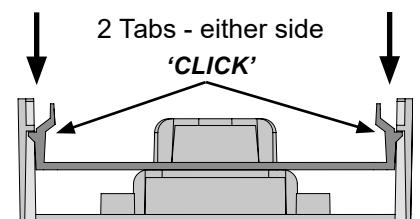
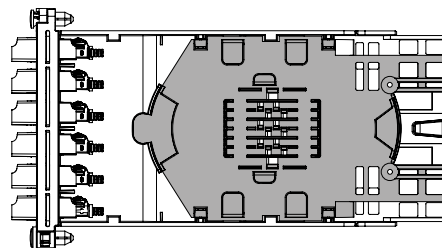
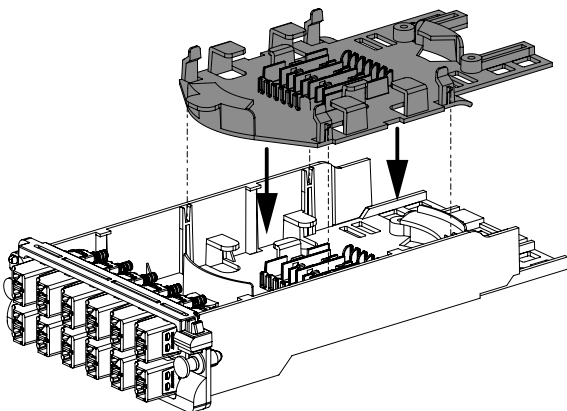


Splicing Discrete Incoming Fiber Cable on Base



Splicing Ribbon Incoming Fiber Cable on Base**Splicing Dual Incoming Fiber Cables on Base****Replace Splice Tray (if equipped)**

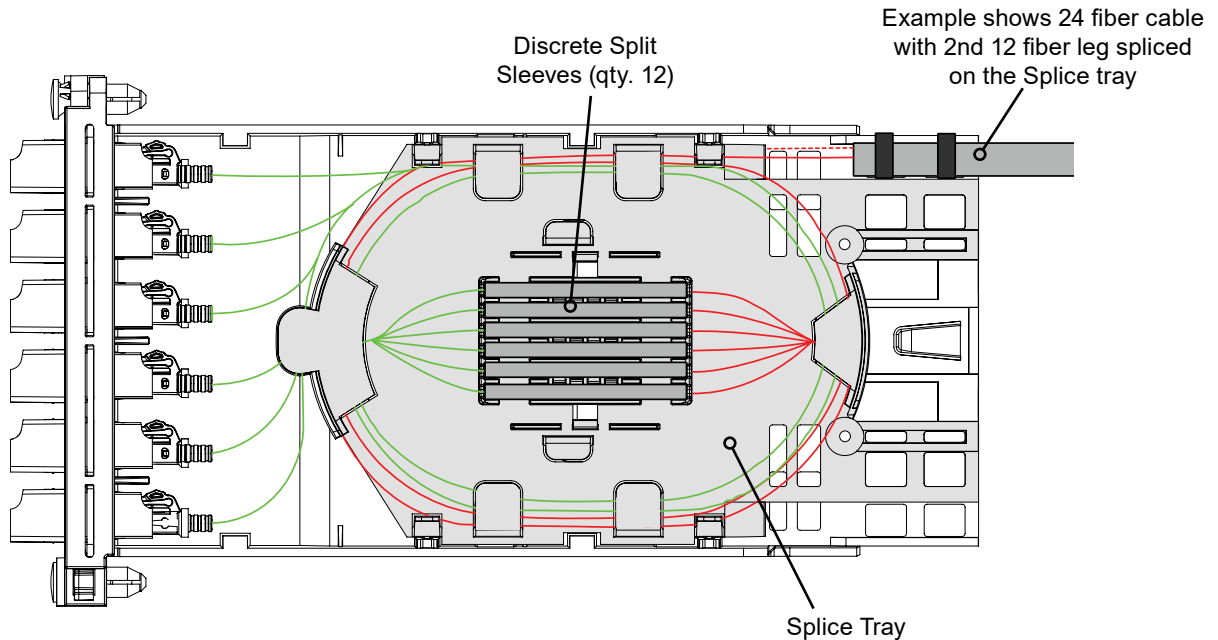
- Replace the Splice Tray into the Base if cassette is equipped.
- **Ensure No Fibers previously spliced onto the base are protruding above the Base Fiber Retention Tabs.**
- An audible '**CLICK**' can be heard when the Splice Tray is pushed back into the Base.

**Front Section View**

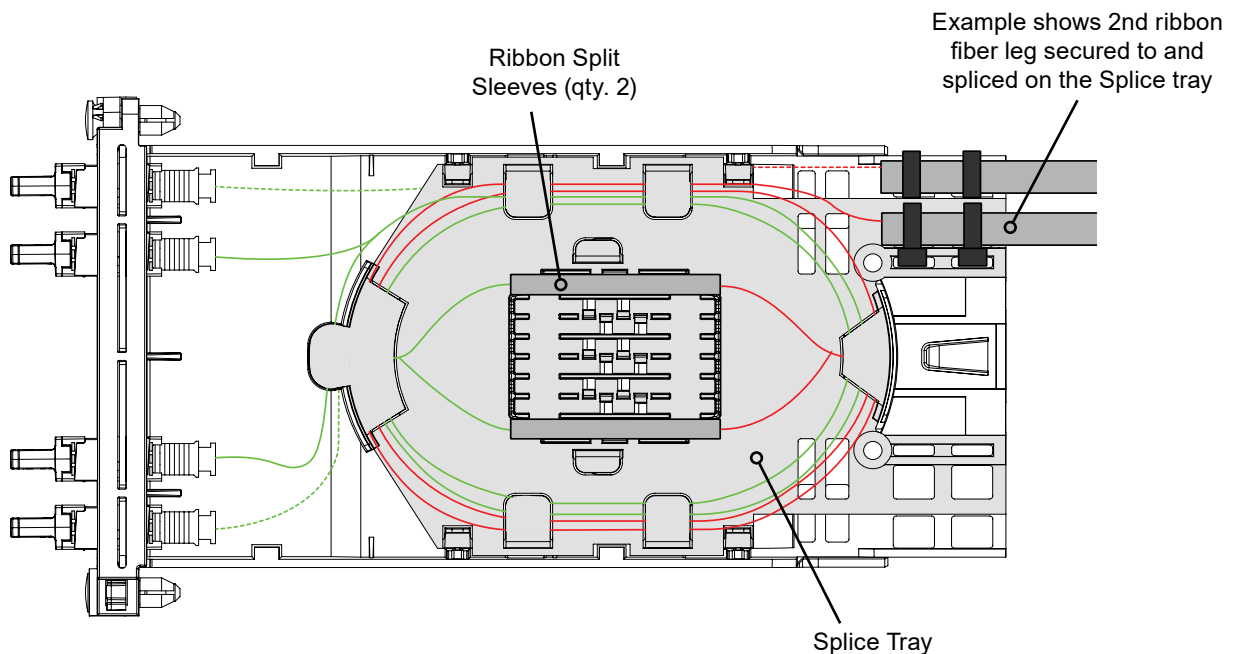
Installing/Splicing Incoming Fiber Cable on the Splice Tray

- Securing incoming Fiber Cables
 1. 24-Fiber incoming cable secured on the Base and partially spliced can be routed to the Splice Tray to finish splicing.
 2. Fiber Cables can also be secured directly onto the Splice Tray.
- Repeat the same splicing steps for the Splice Tray as what is shown for the Base.
- Refer to the '**Cassette Pigtail Splicing Location**' chart below for more detail about specific cassettes application.
- Re-Install Cover after all splicing is complete.

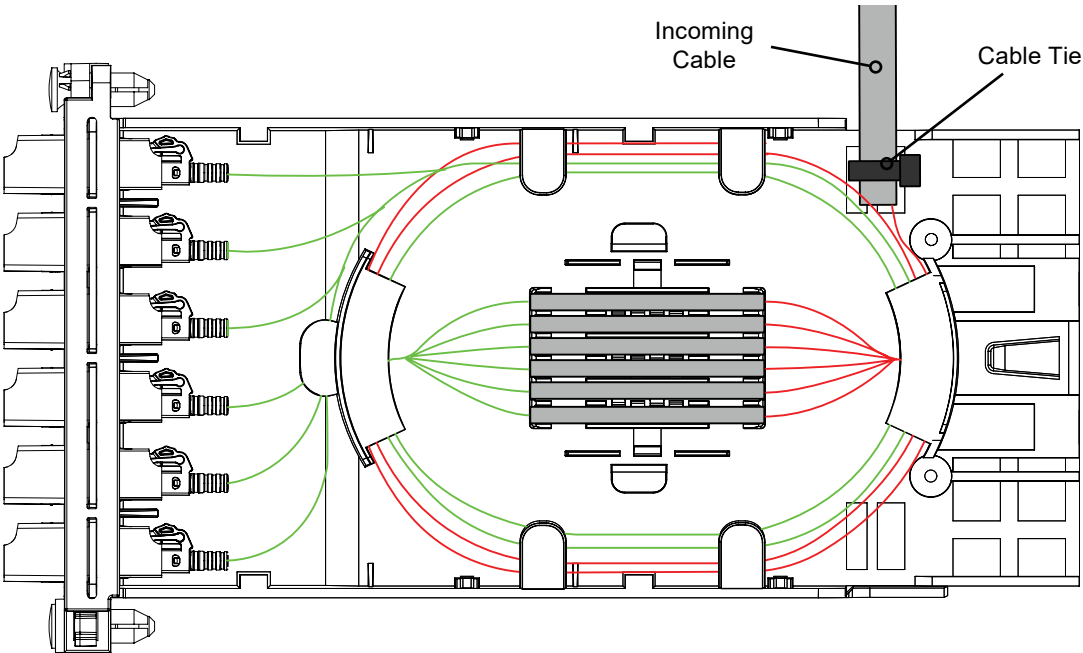
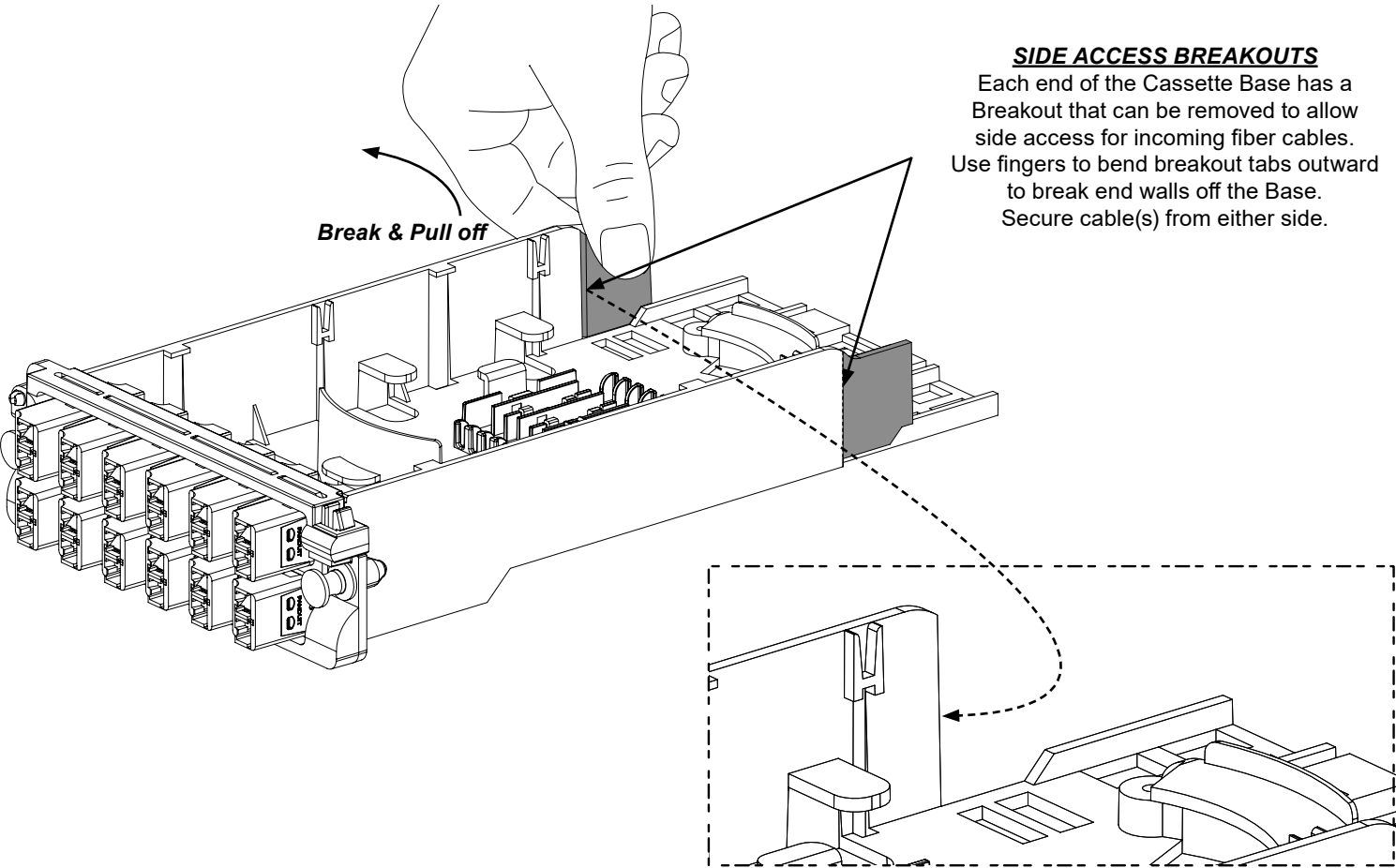
Splicing Discrete Incoming Fiber Cable on Splice Tray



Splicing Ribbon Incoming Fiber Cable on Splice Tray



OPTIONAL Side Access Application - Securing Incoming Fiber Cables through Side Breakouts on Cassette



Cassette Pigtail Splicing Location						
Cassette P/N	Bottom Row Pigtails	Top Row Pigtails	Pigtail Type	Splicing Location		
				Entire Row	MPO on Left Side from Front of Cassette	MPO on Right Side from Front of Cassette
FCS29N-12-LSP FCS29N-12-LAP FCS2ZO-12-LSP		X	Discrete	Base	N/A	N/A
FCS29N-24-LSP FCS29N-24-LAP FCS2ZO-24-LSP	X		Discrete	Base		
		X		Splice Tray		
FCS29O-24-LSR		X	Ribbon	Base		
	X			Splice Tray		
FCS29N-12-03P	SINGLE ROW ONLY		Discrete	Base		
FCS29N-12-3GP						
FCS2ZO-12-03P						
MPO Cassettes						
FCS29O-24-MPP		X	Discrete (De-Ribbonized)		Base	Splice Tray
FCS29O-24-MPR		X	Ribbon		Base	Splice Tray
FCS29O-48-MPR	X		Ribbon	Base		
		X		Splice Tray		
FCS2ZO-24-MPP		X	Discrete (De-Ribbonized)		Base	Splice Tray
FCS2ZO-24-MPR		X	Ribbon		Base	Splice Tray
FCS2ZO-48-MPR	X		Ribbon	Base		
		X		Splice Tray		

Compatibility

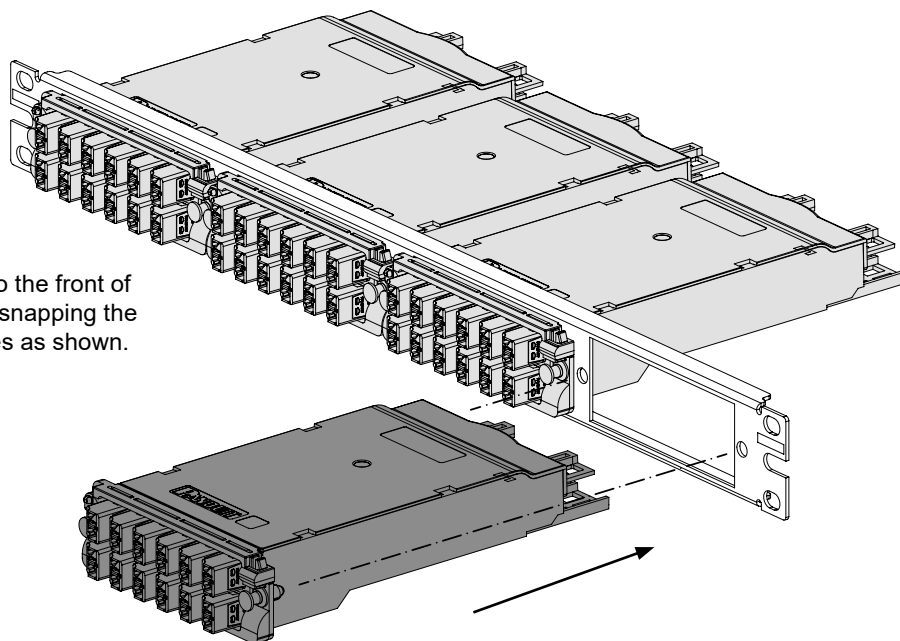
- Opticom Splice cassettes are compatible with the following part numbers shown in the chart below.
- Part number FWME2** requires incoming fiber cables to be secured using the side access application.
- FWME2**, FWME4**, & FWME8** may require removal of interior spools from the Enclosure prior to installation.

Part Number
CFAPPBL1
CFAPPBL2
FMT1 (WHEN PAIRED WITH CFAPPBL1)
FMT2 (WHEN PAIRED WITH CFAPPBL2)
FCE1U
FCE1UA
FCE2U
FCE4
FCE4U
FMD1
FMD2
FRE1U**
FWME2**
FWME4**

Installation of Cassettes into Panels and Enclosures

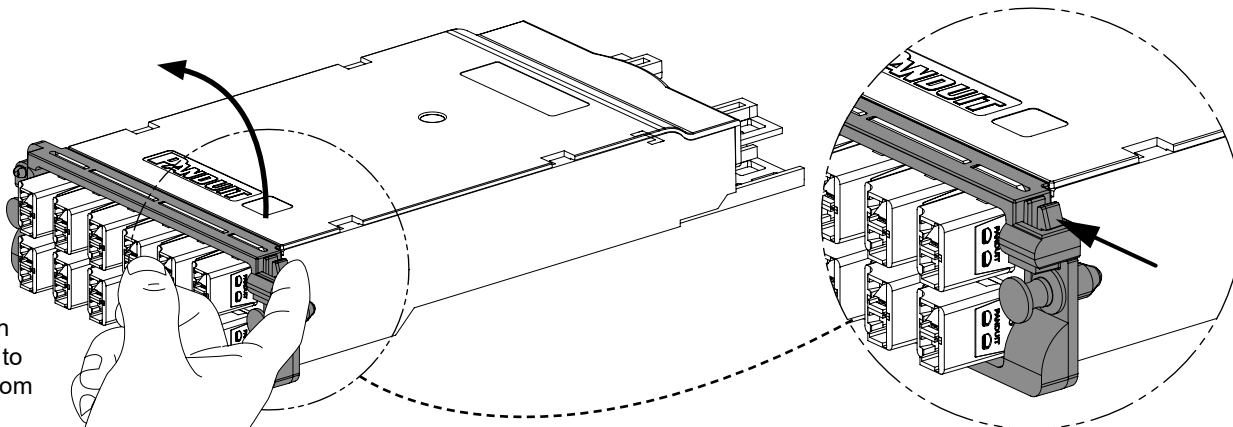
- Cassettes install and remove onto the front of panels or enclosures with the use of (2) grommets.
- The Bezel can be temporarily removed to allow cassettes to be installed from the rear of a Panel or Enclosure.

Install Cassettes directly to the front of Panels and Enclosures by snapping the (2) grommets into the holes as shown.

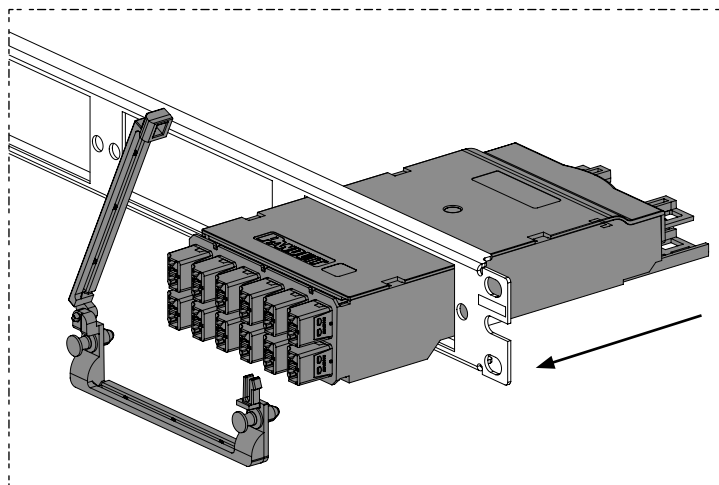


Temporarily removing the Bezel to accommodate installation of cassette from the Rear

Use finger to push Bezel latch inward to release the Bezel from the cassette



After installing the cassette through the rear of the Panel or Enclosure, re-attach the Bezel and secure grommets to the front.



For Instructions in Local Languages
and Technical Support:

www.panduit.com

PANDUIT

www.panduit.com

E-mail:
techsupport@panduit.com

Phone:
866-405-6654