

PrecisionFlex® Empty Patch Panels

The ability to have a variety of configuration options, a durable protected frame, and density flexibility is most important for today’s wide array of network requirements. Sumitomo Electric Lightwave understands this importance, which led to the innovation of the PrecisionFlex® Empty Patch Panels. A durable panel frame with the PrecisionFlex® slide-out and angle-down feature provides great flexibility for today’s diverse applications. Available in standard 1RU, 2RU, 3RU, and 4RU sizes with LGX or HD (pre-terminated only) options. The PrecisionFlex® Empty Patch Panels are the precise fit for Sumitomo Electric Lightwave’s data center solutions.

FEATURES

- Front Door is Clear, Easy to Open, and Removable
- Cable Exit Points are Large and Nonabrasive
- Flexible Faceplate & Bracket Styles in LGX or HD Density
- PrecisionFlex® Slide-Out & Angle-Down Panel Allows for Easy Access to the Splicing Area and Back of the Bulkhead or Cassette. Also with Limited Rear Slide-Out
- Racking Mounting Brackets Allow for Versatile Change in Positions and Usage of 19” or 23” Racks
- Cable Entry Points with Optional Cable Entry Housing for Secure and Safe Cable Entry
- Durable Frame
- Back Door Developed for Easy Removal for Further Access

APPLICATION

PrecisionFlex® Slide-Out & Angle-Down Panel



FT03L09

QUICK SPECS

PANEL TYPES

**Empty;
Fixed**

PANEL SIZES

**1RU, 2RU,
3RU, & 4RU**

RACK SPACE

19” or 23”

MODULE TYPE

LGX

RELATED PRODUCTS

PART NUMBER	PANEL SIZE	PORT CAPACITY
PrecisionFlex® Empty Patch Panel		
FT01L03	1RU	72 LC / 36 SC 1.75 x 17.6 x 16.75 in (45 x 447 x 425 mm)
FT02L06	2RU	144 LC / 72 SC 3.5 x 17.6 x 16.75 in (89 x 447 x 425 mm)
FT03L09	3RU	216 LC / 108 SC 5.25 x 17.6 x 16.75 in (133 x 447 x 425 mm)
FT04L12	4RU	288 LC / 144 SC 7 x 17.6 x 16.75 in (178 x 447 x 425 mm)
Fixed PrecisionFlex® Patch Panels		
FT02L06ST	2RU	144 LC / 72 SC 3.5 x 17.6 x 16.75 in (89 x 447 x 425 mm)
FT04L12ST	4RU	288 LC / 144 SC 7 x 17.6 x 16.75 in (178 x 447 x 425 mm)

To learn more information visit www.SumitomoElectricLightwave.com

APPLICATION & RECOMMENDED USE

The PrecisionFlex® Empty Patch Panel has a combination of Sumitomo Electric Lightwave's products can be used together based on your needs. The following are the best-suited options:

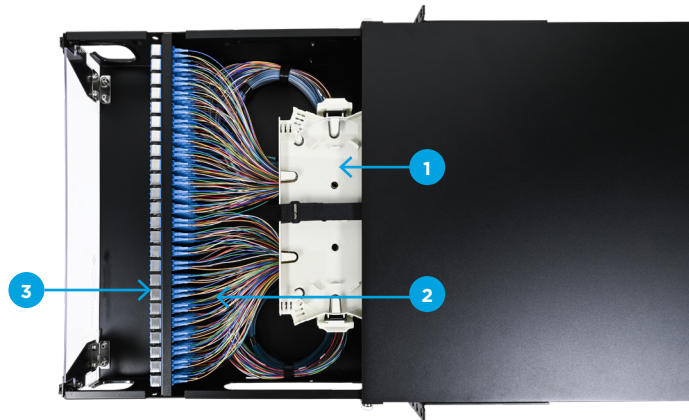


Figure Includes:

1. PrecisionFlex® Splice Tray & Holder
2. 12-Fiber Ribbon Pigtail Fan-Out Kit
3. Interconnect Panels

PRECISIONFLEX® SPLICING APPLICATION

1 - PRECISIONFLEX® SPLICE TRAY & HOLDERS	2 - 12 FIBER RIBBON PIGTAIL FAN-OUT KIT	3 - INTERCONNECT PANELS
<ul style="list-style-type: none"> • Flexibility of Space for Fibers & Cords • Splice Trays 12 x 12ct Ribbon Splices (144 Ribbons per Tray) • Plenty of Space for Routing & Organizing Provides Fiber Management 	<ul style="list-style-type: none"> • Easy to Use & Reduces Splice Time • Available in Multimode & Single-Mode; OM1, OM2/OM3, OM4, OM5, OS2 • Three Available Connector Types; LC, SC, ST 	<ul style="list-style-type: none"> • Compatible with Any Standard LGX Bracket Opening • Available in Multimode & Single-Mode; OM1, OM2/OM3, OM4, OM5, SM • Multiple Colored Adapter Options Available • Shutter Adapters



Figure Includes:

4. Fiber Optic Cable
5. PrecisionFlex® Cable Entry Housing
6. PrecisionFlex® FOX Splice Cassettes

PRECISIONFLEX® CASSETTE APPLICATION

4 - FIBER OPTIC CABLE	5 - PRECISIONFLEX® CABLE ENTRY HOUSING	6 - PRECISIONFLEX® FOX SPLICE CASSETTES & LGX OPTIONS
<ul style="list-style-type: none"> • Legacy Flat Ribbon Cables • Pliable Freeform Ribbon® Cables • Loose Tube Cable 	<ul style="list-style-type: none"> • Options for 2RU, 4RU, 2x2RU, 3x2RU • Helps Station Cables & Reduces Movement • Prevents Unwanted Dust 	<ul style="list-style-type: none"> • Eliminates the Need for Splice Trays, Fan-Out Kits, & Interconnect Panels • Extremely Flexible Design • Clear Top To See All Components Inside • LGX Footprint • Applicable for Patch Panels; FT01L03, FT02L06, FT03L09, FT04L12, FT02L06ST, FT04L12ST

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PRECISIONFLEX® EMPTY PATCH PANEL KIT COMPONENTS

COMPONENT	DESCRIPTION	1RU	2RU	3RU	4RU
Caution Label	Laser Caution Label	1	1	1	1
Large Screw, Rack Mount	12-24 Screw for Rack Mount	6	6	6	6
Small Screw, Faceplate/Strain Relief Bracket	6-32 x 0.25" (6 mm) Phillips Drive Undercut Flat Head Screw for Faceplate/Strain Relief Bracket	10	10	10	10
Small Screw, Semi-Circle	6-32 x 0.38" (9.53 mm) Phillips Drive Undercut Flat Head Screw for Semi-Circles	2	2	2	2
Small Nut, Semi-Circle	6-32 Nut for Semi-Circles	2	2	2	2
Small Fiber Management Semi-Circle	Small Semi-Circle for Fiber Slack Management	2	2	—	—
Large Fiber Management Semi-Circle	Large Semi-Circle for Fiber Slack Management	—	—	2	2
Tie Wraps	Used To Attach Cables Down at Rear of Shelf 5.75" x 0.14" (146 mm x 4 mm)	4	4	4	4
Adhesive Clips	Used in Front for Cable Management	4	4	4	4
Small Hook & Loop Tie Wrap	7" x 0.5" (178 mm x 13 mm) Hook & Loop Tie Wrap	2	—	—	—
Large Hook & Loop Tie Wrap	12" x 0.5" (305 mm x 13 mm) Black Hook & Loop Tie Wrap	2	2	2	2
Splice Tray Holder, 2RU	Splice Tray Holder for 2RU Rack Units	—	1	—	—
Splice Tray Holder, 3RU & 4RU	Splice Tray Holder for 3RU/4RU Rack Units	—	—	1	1
Strain Relief Bracket, Cable Entry	Strain Relief Bracket for Cable Entry	—	1	1	1
Short Screw, Strain Relief Bracket	8-32 x 0.19" (5 mm) Long Pan Head Screw, 18-8 Stainless Steel. Used for Strain Relief Bracket, Cable Entry	—	2	2	2
Hose Clamps	9/16" to 1-1/16" (14.3 mm to 27 mm) Hose Clamp	—	2	2	2
Cover, 2RU Cable Entry Port	Cover for 2RU Unused Cable Entry Port With Matting Screws	—	1	—	—
Cover, 4RU Cable Entry Port	Cover for 4RU Unused Cable Entry Port With Matting Screws	—	—	—	1
Port Identification Label	Port Identification Label	1	—	—	—

ORDERING INFORMATION

Instructions: Purchase a PrecisionFlex® Empty Patch Panel, then add Cassettes or Interconnect Panels and Pigtails, PrecisionFlex® Cable Entry Housing, PrecisionFlex® Cable Entry Housing Bridge, Flush Mount Kits, PrecisionFlex® Splice Tray Holders, Splice Trays, and other accessories as needed.

PrecisionFlex® Patch Panels

Empty Patch Panel

Includes PrecisionFlex® Slide-Out & Angle-Down Feature

PART NUMBER	PANEL SIZE	MODULE	MODULE STYLE	PORT CAPACITY		SPLICE TRAY CAPACITY	DIMENSIONS (W. X H. X D.)
				LC	SC		
FT01L03	1RU	LGX	3	72 LC	36 SC	1	1.75 x 17.6 x 16.75 in (45 x 447 x 425 mm)
FT02L06	2RU	LGX	6	144 LC	72 SC	2	3.5 x 17.6 x 16.75 in (89 x 447 x 425 mm)
FT03L09	3RU	LGX	9	216 LC	108 SC	3	5.25 x 17.6 x 16.75 in (133 x 447 x 425 mm)
FT04L12	4RU	LGX	12	288 LC	144 SC	4	7 x 17.6 x 16.75 in (178 x 447 x 425 mm)

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Empty Fixed Patch Panel

Stationary Only, No PrecisionFlex® Slide-Out & Angle-Down Feature

PART NUMBER	PANEL SIZE	MODULE	MODULE STYLE	PORT CAPACITY		SPLICE TRAY CAPACITY	DIMENSIONS (W. X H. X D.)
				LC	SC		
FT02L06ST	2RU	LGX	6	144 LC	72 SC	2	3.5 x 17.6 x 16.75 in (89 x 447 x 425 mm)
FT04L12ST	4RU	LGX	12	288 LC	144 SC	4	7 x 17.6 x 16.75 in (178 x 447 x 425 mm)

Cable Entry Housing

Only Compatible with PrecisionFlex® Patch Panels

PART NUMBER	PANEL SIZE	CABLE RANGE	BRAIDED TUBE	COMPATIBLE ITEMS
FTK-0288	2RU	0.71-0.98 in (18-25 mm)	2	FT02L06; FT02H24; FT02L06ST; FT02H24ST
FTK-0576	3RU; 4RU	0.787-1.02 in (20-26 mm)	4	FT03L09; FT03H36; FT04L12; FT04H48; FT04L12ST; FT04H48ST
FTK-0576-2RU	2 x 2RU	0.875-1.26 in (22-32 mm)	4	FT02L06; FT02H24; FT02L06ST; FT02H24ST
FTK-0864	3 x 2RU	0.875-1.26 in (22-32 mm)	6	FT02L06; FT02H24; FT02L06ST; FT02H24ST

Cable Entry Housing Bridge

PART NUMBER	DESCRIPTION	COMPATIBLE ITEMS
FTK-0864-SHORT-BRIDGE	A field-transition bridge that extends into another cable entry housing with rack units beneath.	FTK-0576-2RU; FTK-0864
FTK-0864-LONG-BRIDGE	A field-transition bridge that extends into another cable-entry housing with 1 rack separation.	FTK-0576-2RU; FTK-0864

Flush Mount Kits

PART NUMBER	PANEL SIZE	COMPATIBLE ITEMS
FT0200FM	2RU	Flex Patch Panels; PrecisionFlex® Empty Patch Panels
FT0304FM	3RU; 4RU	Flex Patch Panels; PrecisionFlex® Empty Patch Panels

Screws are not included in the kit - Flex Patch Panel kitting screws are compatible.

PrecisionFlex® Splice Tray & Tray Mounts

Only Compatible with PrecisionFlex® Patch Panels

PART NUMBER	PART NAME	DESCRIPTION	COMPATIBLE ITEMS
PrecisionFlex® Splice Tray			
FT-PFST-B-R	PrecisionFlex® 144f Splice Tray	144-Fiber Splice Tray for PrecisionFlex® Rack Mount Patch Panels, Holds up to 12 x 12 Ribbon Splices; 8 Pieces of Hook & Loop Cable Tie; 1 Ribbon Fiber Holder Chip.	FT-PFST-1RU-HOLDER; FT-PFST-2RU-HOLDER; FT-PFST-3-4RU-HOLDER
PrecisionFlex® Splice Tray Mounts			
FT-PFST-1RU-HOLDER	PrecisionFlex® 1RU Splice Tray Mount	PrecisionFlex® Splice Tray Mount with Strap for 1RU Panels.	FT-PFST-B-R (Capacity of 1); FT01L03; FT01H08
FT-PFST-3-4RU-HOLDER	PrecisionFlex® 2RU Splice Tray Mount	PrecisionFlex® Splice Tray Mount with Strap for 2RU Panels.	FT-PFST-B-R (Capacity of 2); FT02L06; FT02H24; FT02L06ST; FT02H24ST
FT-PFST-3-4RU-HOLDER	PrecisionFlex® 3RU & 4RU Splice Tray Mount	PrecisionFlex® Splice Tray Mount with Strap for 3RU & 4RU Panels.	FT-PFST-B-R (3RU Capacity of 3) (4RU Capacity of 4); FT03L09; FT03H36; FT04L12; FT04H48; FT04L12ST; FT04H48ST

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PrecisionFlex® High Density MPO-LC Cassettes

PrecisionFlex® 19 inch Rack Mounted Cassette Chassis

PART NUMBER	SLIDE/FIX	CASSETTES CAPACITY	LC CONNECTORS CAPACITY	SIZE	EXTERNAL DIMENSIONS (W. X H. X D.)
PFCST-1U-S-RPS-BK	Slide	12	144	1U	19.4 x 1.7 x 13.6 in (494 x 44 x 345 mm)
PFCST-1U-F12-BK	Fix	12	144	1U	19.1 x 1.7 x 6.6 in (485 x 43 x 168 mm)

PrecisionFlex® MPO Cassette

PART NUMBER	FIBER COUNT	FIBER TYPE	FRONT CONNECTOR	REAR CONNECTOR	INSERTION LOSS	RETURN LOSS	EXTERNAL DIMENSIONS (W. X H. X D.)	WEIGHT
PFCST-SM-1X12MPOM-LC-S	12f	SM (Compatible with OS1/OS2)	LC	12MPO	≤ 0.65 dB	≥ 50 dB	5.9 x 1.7 x 1.3 in (151 x 43 x 34 mm)	0.2 lbs 0.1 kg
PFCST-MM-1X12MPOM-LC-S	12f	MM (Compatible with OM3/OM4)	LC	12MPO	≤ 0.50 dB	≥ 25 dB	5.9 x 1.7 x 1.3 in (151 x 43 x 34 mm)	0.2 lbs 0.1 kg

*λ = 1310 nm, Against Master Plug

PrecisionFlex® LGX MPO Cassettes

Instructions: Create a part number by using this character set and codes.

FT - 11 - MP 22 3 C 444 - L 5 6 7 - 8

1 - FRONT CONNECTOR TYPE		2 - FRONT CONNECTOR COUNT		3 - FRONT CONNECTOR POLISH TYPE		4 - FIBER TYPE	
LC	LC Connector (Max. 24 Ports)	08	8 Connector Ports	U	UPC	OM1	OM1
SC	SC Connector (Max. 12 Ports)		12		12 Connector Ports		A
FC	FC Connector (Max. 12 Ports)	24	24 Connector Ports			OS1	
ST	ST Connector (Max. 12 Ports)						

5 - REAR MPO CONNECTOR COUNT		6 - MPO GENDER		7 - MPO CONFIGURATION METHOD		8 - OTHER					
1	1 MPO	M	Male/Pinned	A	Method A	(leave blank)	Not Applicable				
	2		2 MPOs		F		Female/Unpinned	B	Method B	UNIV	Universal Mount
			3				3 MPOs		C	Method C	GRN
							RED	Red Adapter			
							YEL	Yellow Adapter			

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PrecisionFlex® FOX Splice Cassettes

Instructions: Create a part number by using this character set and codes.

FT - 11 - M 22 33 444 555 6666

1 - FRONT CONNECTOR TYPE		2 - HOUSING COLOR		3 - FIBER COUNT		4 - FIBER CONSTRUCTION		5 - FIBER TYPE		6 - SPECIAL	
LC	LC Connector	BK	Black	06	6 Fiber	RBN	Ribbon	OM1	OM1	(leave blank)	Not Applicable
SC	SC Connector			12	12 Fiber	TBF	Tight Buffer	OM4	OM4 (Compatible with OM2/3)	APFC	APC (Angle-Polished Connector)
ST	ST Connector			24	24 Fiber			OM5	OM5		
								OS2	OS2		

Kitting components with every unit comprised of fiber protection sleeves, splice sleeve holders, cable grommet, and more. (White housing color option available upon request.)

Interconnect Panels/Bulkheads

Instructions: Create a part number by using this character set and codes.

FT - 11 P 22 3

1 - FACE CONNECTOR TYPE		2 - ADAPTER TYPE/PORT QUANTITY		3 - FIBER TYPE	
LC	LC Connector	6Q	6 Quad/24 Ports (LC Only)	A	SM APC, Green
SC	SC Connector	6D	6 Duplex/12 Ports	B	SM, Blue
FC	FC Connector	3D	3 Duplex/6 Ports	6	OM5, Lime Green
ST	ST Connector	6S	6 Simplex/6 Ports (SC Only)	7	OM3/4, Aqua
				8	OM2, Black
				9	OM1/2, Beige

Additional configurations available upon request.

12-Fiber Ribbon Pigtail Fan-Out Kits

Instructions: Create a part number by using this character set and codes.

BOR - BR012 11 2 3 3 - 4

1 - CONNECTOR TYPE		2 - POLISH TYPE		3 - FIBER TYPE		4 - MANUFACTURING LOCATION	
LC	LC Connector	(leave blank)	UPC	6	OM1	V	Varies
SC	SC Connector	A	APC	8	OM4 (Compatible with OM2/3)	(leave blank)	USA
				9	OM5		
				D	OS2		