

# Ultra Hyperscale eXchange (U-HSX)

The Ultra Hyperscale eXchange (U-HSX) is a solution for clients employing high-fiber-count ribbon cables in their networks. The U-HSX serves as the demarcation point between outside plant ribbon cables and indoor distribution ribbon cables. The U-HSX is designed to be wall-mounted and has the capacity to store 3,456 mass splices for 41,472 fibers. Ports are available for up to 72 distribution cables of various sizes. The cabinet comes preassembled with cable management, splice tray modules, and mounting access points.

The U-HSX is available factory outfitted with all 48, 864f capacity splice trays and the related tray accessories.

## FEATURES

### High Density and Huge Capacity

- Suitable to 1,728f and 3,456f UHFC Cable Splicing
- Up to 12pcs of 3,456f Cables (41,472f) Can Be Terminated
- Splice Tray for 72pcs of 12F Ribbon Splices (864F/Tray)
- 48 Splice Trays Loaded.
- Includes All Necessary Accessories for the First Cable Installation
- Cable Entries at 3 Directions: UHFC Cable from Top and Bottom. Ribbon Cable from Side

### Range of Shingles (Glands Sold Separately)

- Shingle Placement Top/Bottom & Left
- Eliminates Any Unwanted Dust from Entering
- Glands Offer Secure Cable Transition to Inside the Frame

### Integrated Work Platform

- Multiple Mounting Positions to Access Each Splice Tray
- Work Surface Covered in Non-Slip Material

### Doors

- Removable and Padlockable (Padlock Not Supplied)
- Includes Splice Tray Lid Holder
- Work Platform Stored Inside Door

### Other Features & Benefits

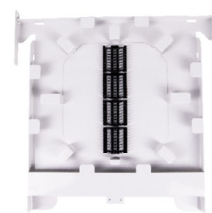
- Lifting Plate Included to Move Cabinet. Can be Removed Once Cabinet is Secured
- RoHS & REACH Compliant



FTHFC-41K-SK1

## SPECIFICATIONS

PROPERTY	SPECIFICATION
Product Brand/Series	Hyperscale eXchange Cabinets
Fiber Capacity	41,472 Fibers (48 x 864f Splice Tray)
Splice Capacity	48   864f Splice Tray
Growth Configuration	Fully Loaded
Mounting Type	Wall Mount
Environmental Space	Indoor
Material Type	Aluminum
Material Finish	Powder Coated
Color	Tele Grey
Dimensions (W. x H. x D.)	56 x 72 x 20 in (1,422 x 1,829 x 508 mm)
Integrated Work Platform	Yes
Cable Management Access	Front Access
Cable Entry/Exit Access Area	1 = Top; 1 = Bottom; 6 = Left Access Areas



FTHFC-41K-SPLICETRAY

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## U-HSX SOLUTION COMPONENTS

COMPONENTS	DESCRIPTION	QTY.	
U-HSX Cabinet	High Density Vertical Fiber Optic Exchange Cabinet, U-HSX Cabinet. 56 x 72 x 20 in (1,422 x 1,829 x 508 mm)	1	
864f Splice Tray	864f Splice Tray Modules for U-HSX Cabinet, Holds up to 72 x 12ct Ribbon Splices.	48	
12 Cable Gland Shingle 1.875" Holes, Left/Right	High Density Cabinet Gland Shingle, 12 Gland Holes 1.875 inch (48 mm). Compatible with Left and Right Side of U-HSX Cabinet.	6	
12 Cable Gland Shingle 2" Holes, Top/Bottom	High Density Cabinet Gland Shingle, 12 Gland Holes 2 inch (51 mm). Compatible with Top and Bottom Side of U-HSX Cabinet.	2	
Blank Shingle, Left/Right	High Density Cabinet Blank Shingle, Compatible with Left and Right Side of U-HSX Cabinet.	6	
Blank Shingle, Top/Bottom	High Density Cabinet Blank Shingle. Compatible with Top and Bottom Side of U-HSX Cabinet.	2	
U-HSX Work Platform	Work Platform for U-HSX Cabinet. 32.123 x 16.25 x 5 in (815.9 x 412.8 x 127 mm)	1	
U-HSX Gland and Accessory Starter Kit	<b>Part Number</b>	<b>Contents</b>	1
	FPS-6-BX	1.58 in (40 mm) Ribbon Splice Protectors Box. 250/Box.	2
	FPS-6-5P	1.58 in (40 mm) Ribbon Splice Protectors Pack. 5/Pack.	16
	FTHFC-SOCK-5/8-75FT	0.625 in x 75 ft (16 mm x 22.9 m) Ribbon Protection Sock.	2
	FTHFC-HL-TIE-30FT	0.5 in x 15 ft (12.7 mm x 4.6 m) Hook & Loop Cable Tie.	2
	FTHFC-HL-3/4IN-30FT	0.75 in x 30 ft (19 mm x 9.1 m) One-Piece Hook & Loop.	80
	FTHFC-GLAND-KIT-1.02	Strain Relief Gland for Cable Terminal, Range of 0.787 to 1.020 in (20 to 26 mm).	4
	FTHFC-GLAND-KIT-1.515	Strain Relief Gland for Cable Terminal, Range of 0.944 to 1.515 in (24 to 38.5 mm).	4

## ORDERING INFORMATION

**Instructions:** Purchase the U-HSX Solution, and then add accessories and consumables as needed.

PART NUMBER	PART NAME	DESCRIPTION	DIMENSIONS (W. X H. X D.).
FTHFC-41K-SK1	U-HSX Solution	Optical Cable Entrance Terminal U-HSX, Capacity of 41,472 Fibers, With Starter Kit. Contains All 48 (864f) Splice Trays As Well as Accessories for One 3,456F Cable Termination.	56 x 72 x 20 in (1,422 x 1,829 x 508 mm)

## ACCESSORIES & CONSUMABLES

PART NUMBER	PART NAME	DESCRIPTION
<b>Splice Tray</b>		
FTHFC-41K-SPLICETRAY	U-HSX 864f Splice Tray	Splice Tray Modules for U-HSX Only, Holds up to 72 x 12-Fiber.
<b>U-HSX Accessory Kit</b>		
FTHFC-ACK-3456-1728	U-HSX Accessory Kit for One 3,456f Cable Entry to 1,728f	58 pk. - 1.58 in (40 mm) Splice Protection Sleeves, 5 per Pack, Used for Splicing 2 to 12 Fibers
		1 ea. - Ribbon Protection Sock, 0.625 in x 75 ft (16 mm x 22.9 m) Spool
		1 ea. - Hook & Loop Cable Tie, 0.5 in x 30 ft (13 mm x 9.1 m)
		1 ea. - One-Piece Hook & Loop, 0.75 in x 30 ft (19 mm x 9.1 m)
		1 ea. - Trunk Gland For Optical Building Entrance Terminal, range of 1.23 to 1.56 in (31.2 to 39.6 mm)
		1 ea. - Gland Nut - U-HSX, M50, Brass
		2 ea. - Strain Relief Gland for Cable Terminal, Range of 0.787 to 1.02 in (20 to 26 mm).

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## ACCESSORIES & CONSUMABLES

PART NUMBER	PART NAME	DESCRIPTION
<b>Entrance Frame Strain Relief Glands</b>		
FTHFC-GLANDKIT-0.709	Strain Relief Gland, 0.354 to 0.709 inch	Strain Relief Gland for Cable Terminal, Range of 0.354 in to 0.709 in (9 mm to 18 mm).
FTHFC-GLANDKIT-0.827	Strain Relief Gland, 0.433 to 0.827 inch	Strain Relief Gland for Cable Terminal, Range of 0.433 in to 0.827 in (11 mm to 21 mm) .
FTHFC-GLAND-KIT-1.02	Strain Relief Gland, 0.787 to 1.020 inch	Strain Relief Gland for Cable Terminal, Range of 0.787 in to 1.020 in (20 mm to 36 mm) .
FTHFC-GLANDKIT-1.515	Strain Relief Gland, 0.944 to 1.515 inch	Strain Relief Gland for Cable Terminal, Range of 0.944 in to 1.515 in (24 mm to 38.5 mm).
<b>Entrance Frame Consumables</b>		
FPS-6-BX	Ribbon Splice Protector	1.58 in. (40 mm) Ribbon Splice Protectors Box. 250/Box
FPS-6-5P	Ribbon Splice Protector	1.58 in (40 mm) Ribbon Splice Protectors, 5 per Pack.
FTHFC-HL-3/4IN-30FT	One-Piece Hook & Loop	One-Piece Hook & Loop, 0.75 in x 30 ft (19 mm x 9.1 m) .
FTHFC-HL-TIE-30FT	Hook & Loop Cable Tie	Hook & Loop Cable Tie, 0.5 in x 30 ft (13 mm x 9.1 m) .
FTHFC-SOCK-5/8-75FT	Ribbon Protection Sock	Ribbon Protection Sock, 0.625 in x 75 ft (16 mm x 22.9 m) Spool .
<b>Field Furcation Kits</b>		
FFK-025KIT150F	Field Furcation Kit, ¼ inch (6 mm Sleeve)	1 ea. - 150 ft (45.7 m) of 0.25 in (6 mm) Flexible Sleeve Black, Up to 192f Freeform Ribbon™ or 144f Flat Ribbon/Sleeve
		2 ea. - 12 ft (3.7 m) Rolls of Rescue Tape
		1 ea. - 10 ft (3 m) Tube
FFK-038KIT150F	Field Furcation Kit, ⅜ inch (10 mm Sleeve)	1 ea. - 150 ft (45.7 m) of 0.375 in (10 mm) Flexible Sleeve Black, up to 288f Freeform Ribbon™/Sleeve.
		2 ea. - 12 ft (3.7 m) Rolls of Rescue Tape
		1 ea. - 10 ft (3 m) Tube

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