

## 3K Vertical Hyperscale eXchange (3K-V-HSX) Cabinet

Often, one size does not fit all. That is also the case when it comes to fiber-entrance cabinets. While vast cabinets with high fiber counts are the perfect solutions for large data centers, there is still a need for a spacious cabinet with a smaller number of fibers. Sumitomo Electric Lightwave has recognized this need and has created a cabinet solution that brings all the benefits of the V-HSX in smaller cabinet space with one-third the fiber count. The 3K-V-HSX Cabinet will be the transition point between outside plant cables and indoor distribution cables, allowing for a capacity of 3,456 fibers. Through its number of cable openings and features, the 3K-V-HSX solution will solve the needs of any private network or data center entering into or requiring a low fiber optic distribution frame.

The 3K-V-HSX is available factory-outfitted with all 8, 432f capacity splice trays and the related tray accessories.

### BENEFITS & FEATURES

#### Compact Frame

- 3,456f Splice Capacity
- Wall-Mountable
- 6 Areas for Cable Entries & Exits

#### Range of Shingles (Glands Sold Separately)

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

#### Integrated Work Platform

- Easy to Use & Integrated Flat Surface Workstation for Splicing & Other Tasks
- Work Surface Covered in Non-Slip Material

#### Doors

- Removable
- Allows a Padlock for Added Security
- Includes Splice Tray Lid Holder
- Work Platform Stored Inside Door

#### Other Features & Benefits

- Lifting Plate Included to Move Cabinet
- Electric Ground Busbar
- RoHS & REACH Compliant



FTHFC-3K-V-SK1

PROPERTY	SPECIFICATIONS
Product Brand/Series	Hyperscale eXchange Cabinets
Fiber Capacity	3,456 Fibers (8 x 432f Splice Tray)
Splice Tray Capacity	8 = FTHFC-IMST432 432f Splice Tray (36 x 12ct)
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.)	32 x 21.5 x 15 in. (813 x 546 x 381 mm)
Integrated Work Platform	Yes   14.5 x 12 in. (368 x 305 mm)
Cable Management Access	Front Access
Cable Entry/Exit Access Areas	2 = Top; 2 = Bottom; 1 = Left; 1 = Right Access Areas



FTHFC-IMST432

To learn more information visit [www.SumitomoElectricLightwave.com](http://www.SumitomoElectricLightwave.com)

## 3K-V-HSX STARTER KIT COMPONENTS

COMPONENTS	DESCRIPTION	QTY.																					
3K-V-HSX Cabinet	High Density Vertical Fiber Optic Exchange Cabinet, 3K-V-HSX Cabinet. 32 x 21.5 x 15 in. (813 x 546 x 381 mm).	1																					
432f Splice Tray	432f Splice Tray Modules for 3K-V-HSX, Holds up to 36 x 12ct Ribbon Splices. 8 x 10.25 x 0.75 in. (203 x 260 x 19 mm).	8																					
6 Cable Gland Shingle 2" Holes, Top/Bottom	High Density Cabinet Cable Gland Shingle, 6 Cable Gland 2 inch (51 mm) Holes. Compatible with Top & Bottom Side of 3K-V-HSX Cabinet, FTHFC-GLAND-KIT-1.515, & FTHFC-GLAND-KIT-0.827.	2																					
12 Cable Gland Shingle 1" Holes, Top/Bottom	High Density Cabinet Cable Gland Shingle, 12 Cable Gland 1 inch (25 mm) Holes. Compatible with Top & Bottom Side of 3K-V-HSX Cabinet & FTHFC-GLAND-KIT-0.709.	2																					
8 Cable Gland Shingle 2" Holes, Left/Right	High Density Cabinet Cable Gland Shingle, 8 Cable Gland 2 inch (51 mm) Holes. Compatible with Left & Right Side of 3K-V-HSX Cabinet, FTHFC-GLAND-KIT-1.515, & FTHFC-GLAND-KIT-0.827.	1																					
18 Cable Gland Shingle 1" Holes, Left/Right	High Density Cabinet Cable Gland Shingle, 18 Cable Gland 1 inch (25 mm) Holes. Compatible with Left & Right Side of 3K-V-HSX Cabinet & FTHFC-GLAND-KIT-0.709.	1																					
Blank Shingle, Top/Bottom	High Density Cabinet Blank Shingle, Compatible with Top and Bottom Side of 3K-V-HSX Cabinet.	4																					
Blank Shingle, Left/Right	High Density Cabinet Blank Shingle, Compatible with Left and Right Side of 3K-V-HSX Cabinet.	2																					
3K-V-HSX Work Platform	Work Platform for V-HSX Cabinet. 27.13 x 12.25 in. (689 x 311 mm).																						
3K-V-HSX Gland and Accessory Starter Kit	<table border="1"> <thead> <tr> <th>Part Number</th> <th>Contents</th> <th>1</th> </tr> </thead> <tbody> <tr> <td>FPS-6-5P</td> <td>1.58 in. (40 mm) Ribbon Splice Protectors Pack. 5/Pack</td> <td>29</td> </tr> <tr> <td>FTHFC-SOCK-5/8-75FT</td> <td>0.625 in. x 75 ft. (16 mm x 22.9 m) Ribbon Protection Sock</td> <td>2</td> </tr> <tr> <td>FTHFC-HL-TIE-30FT</td> <td>0.5 in. x 15 ft. (13 mm x 4.6 m) Hook &amp; Loop Cable Tie</td> <td>2</td> </tr> <tr> <td>FTHFC-HL-3/4IN-30FT</td> <td>0.75 in. x 3.5 in. (19 mm x 89 mm) One-Piece Hook &amp; Loop</td> <td>50</td> </tr> <tr> <td>FTHFC-GLAND-KIT-0.709</td> <td>Strain Relief Gland for Cable Terminal, Range of 0.354 in. to 0.709 in. (9 mm to 18 mm)</td> <td>6</td> </tr> <tr> <td>FTHFC-GLAND-KIT-1.515</td> <td>Strain Relief Gland for Cable Terminal, Range of 0.944 in. to 1.515 in. (24 mm to 38.5 mm)</td> <td>1</td> </tr> </tbody> </table>	Part Number	Contents	1	FPS-6-5P	1.58 in. (40 mm) Ribbon Splice Protectors Pack. 5/Pack	29	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. (13 mm x 4.6 m) Hook & Loop Cable Tie	2	FTHFC-HL-3/4IN-30FT	0.75 in. x 3.5 in. (19 mm x 89 mm) One-Piece Hook & Loop	50	FTHFC-GLAND-KIT-0.709	Strain Relief Gland for Cable Terminal, Range of 0.354 in. to 0.709 in. (9 mm to 18 mm)	6	FTHFC-GLAND-KIT-1.515	Strain Relief Gland for Cable Terminal, Range of 0.944 in. to 1.515 in. (24 mm to 38.5 mm)	1	
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## ORDERING INFORMATION

**Instructions:** Purchase the 3K-V-HSX Starter Kit, and then add accessories and consumables as needed.

PART NUMBER	PART NAME	DESCRIPTION	DIMENSIONS (W. X H. X D.)
FTHFC-3K-V-SK1	3K-V-HSX Starter Kit	3K Vertical Hyperscale eXchange Cabinet, 3,456f Splice Capacity. Contains 8, 432f Capacity Splice Trays; Work Platform; 6 Entry/Exit Shingles; 6 Blank Shingles; 3K-V-HSX Glands & Accessory Starter Kit.	32 x 21.5 x 15 in. (813 x 546 x 381 mm)

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### 3K-V-HSX COMPONENTS & ACCESSORIES

PART NUMBER	PART NAME	DESCRIPTION
<b>Splice Tray</b>		
FTHFC-IMST432	432f Splice Tray	432f Splice Tray for 3K-V-HSX, Holds up to 36 x 12ct Ribbon Splices. 8 x 10.25 x 0.75 in. (203 x 260 x 19 mm).
<b>Shingle Attachment</b>		
FTHFC-3K-V-SK1-BRUSH-SHINGLE	Brush Shingle with Lacing Bar, Top/Bottom	High Density Cabinet Cable Brush Shingle with Lacing Bar, Large Opening, Brush Dust Retention. Compatible with Top & Bottom Side of V-HSX & 3K-V-HSX Frames.
<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-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>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
<b>Accessories &amp; Consumables</b>		
FPS-6-5P	Ribbon Splice Protector	1.58 in. (40mm) Splice Protection Sleeve, 5 per Pack. Used for Splicing 2 to 12 Fibers.
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.