

# OptiTest® Local Convergence Cabinet, HD Series enabled by Centrix™

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## Features and Benefits

### Multiple pad- and pole-mount configurations

Provide operator with maximum deployment flexibility

### Enabled by Centrix™ System

SC APC Splice Cassettes (ordered separately) offer flexibility while reducing customer ordering and inventory complexity

### Stackable/Scalability

Stacking a 288-fiber or a 576-fiber FDH-HD cabinet onto any other FDH-HD (288, 576, or 896) cabinet allows deferment of capital investment until network growth requires a larger fiber count cabinet.

### Installation procedures

Cabinet Install: 003-980; Side Pole Mount Install: 003-1014-AEN

The OptiTest® HD series is the first line of stubless and modular outside plant FTTx cabinets offered by Corning. Enabled by the Centrix™ platform, the cabinet offers on-board splicing and field-installable SC APC cassettes for applications that demand flexibility and modularity.

As service provider demand grows, 24-fiber SC APC Centrix platform cassettes can be added as needed. The sky is the limit on configurations as the Centrix cassettes can be configured in any combination of feeder-to-distribution port ratios as well as pass-through and cross-connect capabilities. One cabinet size can support up to 896 subscriber ports and 48 pass-through ports.

A cabinet shell can be installed allowing the service provider to secure “right-of-way” pad space on day one with the ability to grow connector ports in the future. Fully compatible with LS splitter modules, LS Series splitters are available in multiple configurations and are field proven.

The OptiTest HD series is now complete by offering a 288- and 576-fiber count option. The smaller fiber count offerings allow for smaller networks to utilize the high-density cabinet while continuing to focus on the compact Centrix cassette platform.

The ability to stack a 288- or a 576-fiber FDH-HD cabinet onto another FDH-HD (288-, 576-, or 896-fiber) cabinet allows a customer to defer capital investment until the network expansion demands a larger fiber count cabinet.



OptiTest HD Cabinet, 896-Fiber, Pad Mount  
(Back View) | Photo CRR2435



OptiTest HD Cabinet, 896-Fiber, Pad Mount  
(Front View) | Photo CRR2432

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## Standards

<b>Design and Test Criteria</b>	Cabinets meet applicable sections of Telcordia GR3125-CORE, GR-63-CORE, GR-449-CORE
	Connectors meet applicable sections of Telcordia GR-326-CORE
	Modular splitters meet applicable sections of GR-1209-CORE, GR-1221-CORE
<b>Approvals and Listings</b>	UL Listed; RDUP (RUS) Listed



**OptiTest HD Cabinet, 896-Fiber, Pad Mount  
(Splitter Array) | Photo CRR2421**

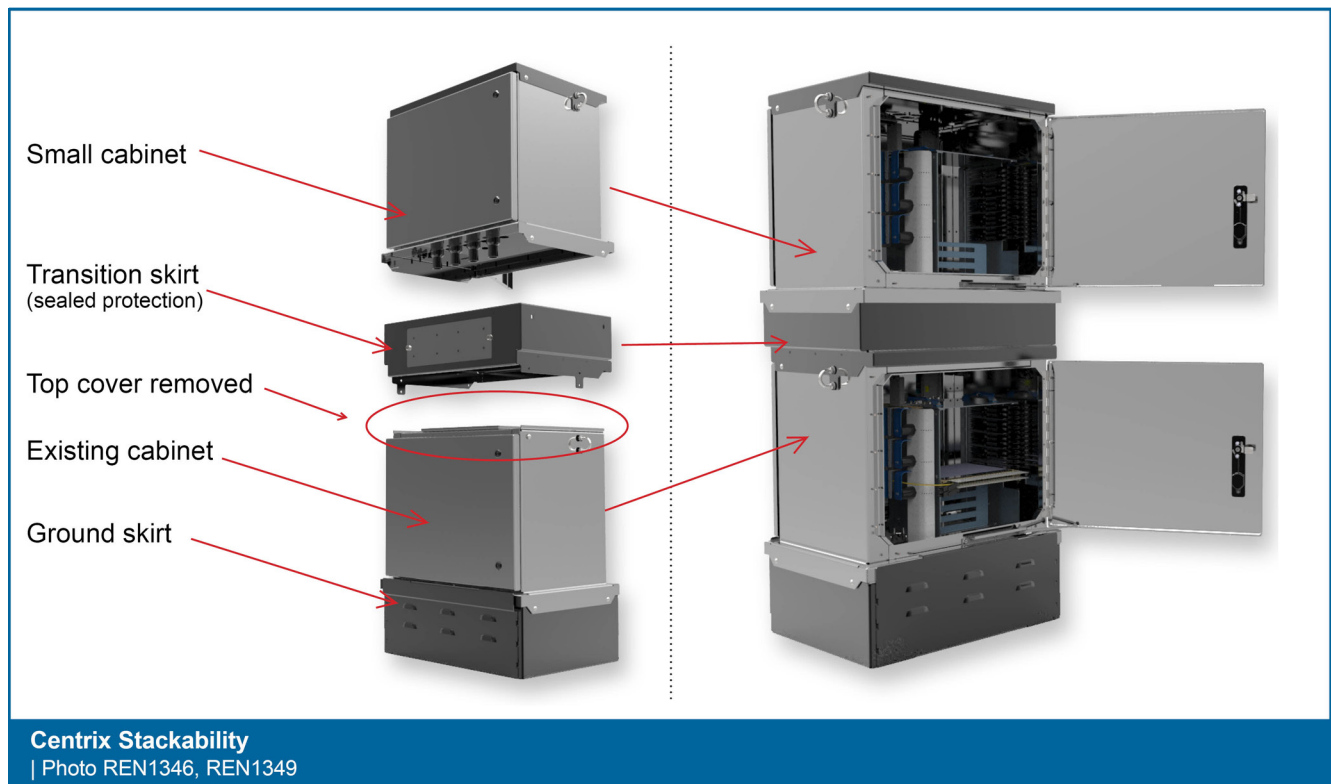


**OptiTest HD Cabinet, 896-Fiber, Pad Mount  
(Centrix Cassette) | Photo CRR2429**

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## Specifications |

### Cabinet Design

	Template Size	Configuration	Pad - Number of Doors	Pole - Number of Doors	Color
896 Fiber	Large	Pad or Pole	2	3	Almond, Green, Brown
576 Fiber	Medium	Pad	2	N/A	Almond, Green, Brown
288 Fiber	Small	Pad	2	N/A	Almond, Green, Brown

### Mechanical Characteristics Pad Mount

	Height including Skirt	Width	Depth	Empty Weight	Fully Loaded Weight	Splitter Capacity	Cassette Capacity
896 Fiber	118.4 cm 46.62 in	68.6 cm 27.0 in	50.6 cm 19.9 in	57.5 kg 126.8 lb	80.4 kg 177.16 lb	28	36 Distribution 3 Feeder 3 Blank
576 Fiber	100.8 cm 39.7 in	68.6 cm 27.0 in	50.7 cm 19.9 in	43.0 kg 95.0 lb	58.4 kg 128.8 lb	18	24 Distribution 2 Feeder 2 Blank
288 Fiber	79.2 cm 31.2 in	68.6 cm 27.0 in	50.7 cm 19.9 in	33.4 kg 73.6 lb	41.1 kg 90.6 lb	9	12 Distribution 1 Feeder 1 Blank

### Mechanical Characteristics Pole Mount *(See Note 1)*

	Height	Height including Skirt	Width	Depth	Empty Weight	Fully Loaded Weight	Splitter Capacity	Cassette Capacity
896 Fiber (Center & side pole mount options)	92.7 cm 36.5 in	N/A	63.5 cm 25.0 in	45.2 cm 17.8 in	57.0 kg 125.7 lb	79.9 kg 176.1 lb	28	36 Distribution 3 Feeder 3 Blank
576 Fiber	N/A	N/A	N/A	N/A	N/A	N/A	18	24 Distribution 2 Feeder 2 Blank
288 Fiber	N/A	N/A	N/A	N/A	N/A	N/A	9	12 Distribution 1 Feeder 1 Blank

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## Ordering Information

<input type="text"/>	<input type="text"/>	<input type="text"/>	T	S	<input type="text"/>	0	0	0	0	<input type="text"/>	0	0	<input type="text"/>	0	0	0	0
<b>1</b>	<b>2</b>	<b>3</b>		<b>4</b>	<b>5</b>					<b>6</b>	<b>7</b>		<b>8</b>				

**1** Select cabinet color.  
A = Almond (standard)  
J = Green  
K = Brown

**2** Defines cabinet size.  
L = 896 fiber (large)  
E = 576 fiber (medium)  
C = 288 fiber (small)  
*See Note 1.*

**3** Select mounting style.  
P = Pole (896 F only)  
*See Note 2.*  
C = Pad  
S = Stack (skirt)  
*See Note 3.*

**4** Defines connector type.  
S = SC APC (standard)

**5** Select cabinet style.  
R = 896 F only  
0 = 288 F & 576 F

**6** Defines input/output cable.  
0 = No cable

**7** Defines input/output cable length.  
00 = No cable length

**8** Defines input/output cable type.  
00 = No cable type

Note 1: The combined total fiber count of inbound cables and outbound cables should never exceed the cabinet size for full utilization.

Note 2: Center and side pole mount brackets sold separately.

Note 3: Only stack 2 high using stacking transition skirt. Large to large stacking not available. Stacking skirt not sold separately.

(ex. large to medium, large to small, medium to medium, medium to small, small to small, small to medium)

(ex. 896 + 576, 896 + 288, 576 + 576, 576 + 288, 288 + 288, 288 + 576)

## Part Number Example

Part Number	Product Description	Units per Delivery	
ACCTS00000000000000	OptiTest® HD Series Cabinet, 288 F, almond, small, pad-mount, 10 in skirt	1/1	
AECTS00000000000000	OptiTest® HD Series Cabinet, 576 F, almond, medium, pad-mount, 10 in skirt	1/1	
ALCTSR00000000000000	OptiTest® HD Series Cabinet, 896 F, almond, large, pad mount, 10 in skirt	1/1	

# OptiText® Local Convergence Cabinet, HD Series enabled by Centrix™

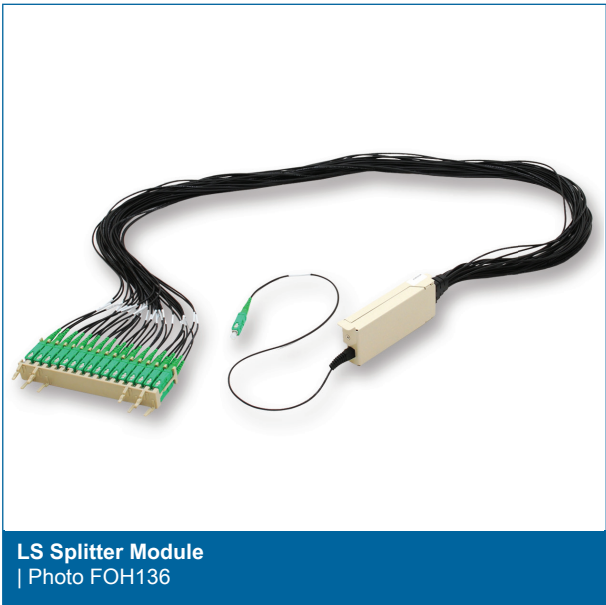


## LS Splitter Modules for HD Series

Designed specifically for the LS Series Cabinet, the compact yet robust LS Series splitters are available in multiple configurations (1x64, 1x32, dual 1x16, dual 1x8). Each splitter module features small form connectorized inputs and outputs with simple one-step parking.

### Features

- First with bend-improved fiber on input and output legs (ITU-T G.657.A compliant)
- Field-proven performance
- Robust housing protects module during installation and throughout product life
- Integrated parking clips installed on connectors
- GR-1209 and GR-1221 qualified
- GR-326 certified connectors



Standard-Performance Devices							
	Dimensions (HxWxD)	Insertion Loss,	Insertion Loss,		Return		
1x32 Splitter Module	43 mm x 23 mm x 107 mm	15.7 dB	16.7 dB	1.3	≥ 55 dB	≥ 55 dB	0.3
Dual 1x16 Splitter Module	43 mm x 23 mm x 107 mm	12.8 dB	13.4 dB	1.0	≥ 55 dB	≥ 55 dB	0.3
Dual 1x8 Splitter Modules	43 mm x 15 mm x 107 mm	9.7 dB	10.3 dB	1.0	≥ 55 dB	≥ 55 dB	0.2
1x64 Splitter Module	64 mm x 23 mm x 125 mm	19.1 dB	20.1 dB	1.8	≥ 55 dB	≥ 55 dB	0.4

Insertion loss values provided do not include connectors.



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## LS Splitter Modules

### Ordering Information

W M B 4 C C

1

A

2

1

3

1

Select input connector code.  
6C = SC APC (standard)  
5C = SC UPC  
*See Note 1.*

2

Select output connector code.  
6C = SC APC (standard)  
5C = SC UPC  
*See Note 1.*

3

Select coupler/splitter configuration.  
1132 = 1x32 (standard)  
2116 = Dual 1x16 (standard) - two 1x16s in one module

Note: Connector type on the input legs must match the connector type on the output legs.

### Part Number Example

Part Number	Product Description	Units per Delivery	
WMC4CC6CA6C11132	LS Splitter Module, 1x32, HD Series	1/1	
WMC4CC6CA6C12116	LS Splitter Module, dual 1x16, HD Series	1/1	



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## FDH-HD Pole Mounting Brackets (Sold Separately)

Part Number	Product Description	Units per Delivery	
FDHM-POLKIT-L-A	Pole Mount Kit, Large Cabinet, Almond	1/1	
FDHM-POLKIT-L-J	Pole Mount Kit, Large Cabinet, Green	1/1	
FDHM-POLKIT-L-K	Pole Mount Kit, Large Cabinet, Brown	1/1	
FDHM-SIDPOLKIT-L-A	Pole Mount Kit, Large Cabinet, Almond, Side	1/1	
FDHM-SIDPOLKIT-L-J	Pole Mount Kit, Large Cabinet, Green, Side	1/1	
FDHM-SIDPOLKIT-L-K	Pole Mount Kit, Large Cabinet, Brown, Side	1/1	

## FDH-HD Cabinet Extension Skirts

Part Number	Product Description	Units per Delivery	
FDHM-SKRT-10-A	Pad Mount Cabinet Skirt, 10", Almond	1/1	
FDHM-SKRT-10-J	Pad Mount Cabinet Skirt, 10", Green	1/1	
FDHM-SKRT-10-K	Pad Mount Cabinet Skirt, 10", Brown	1/1	

## FDH-HD/LS Housing Template Kits

Part Number	Product Description	Units per Delivery	
FDH-LS-TMPLT-432	LS Metal Housing Template Kit for 144, 288 and 432 LS Cabinets	1/1	
FDH-LS-TMPLT-864	LS Metal Housing Template Kit for 576 and 864 LS Cabinets	1/1	

## FDH-HD/LS Cable Protection Kits

Part Number	Product Description	Units per Delivery	
FDH-LS-CBLPTPA-288	LS Series Kits, Cable Protection Kit for 288 F Cabinet, Standard pole mount	1/1	
FDH-LS-CBLPTPA-432	LS Series Kits, Cable Protection Kit for 432 F Cabinet, Standard pole mount	1/1	



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## FDH-HD/LS Cable Protection Kits

Part Number	Product Description	Units per Delivery	
FDH-LS-CBLPTSA-288	LS Side Pole Mount Cable Protection Kit for 144- and 288-Fiber LS Cabinets (side-mount bracket sold separately)	1/1	
FDH-LS-CBLPTSA-432	LS Side Pole Mount Cable Protection Kit for 432-Fiber LS Cabinets (side-mount bracket sold separately)	1/1	

## FDH-HD Accessory Kits

Part Number	Product Description	Units per Delivery	
CTX-KIT-SR-CS	Centrix™ Cassette Strain-Relief Kit	1/1	
FDHM-POLKIT-ALM	FDH-HD Ladder Mount Bracket, Almond	1/1	
FDHM-POLKIT-BR	FDH-HD Ladder Mount Bracket, Brown	1/1	
FDHM-POLKIT-GR	FDH-HD Ladder Mount Bracket, Green	1/1	
FDHM-SHL-L-A	Replacement Shell, Large Cabinet, Almond	1/1	
FDHM-SHL-L-J	Replacement Shell, Large Cabinet, Green	1/1	
FDHM-SHL-L-K	Replacement Shell, Large Cabinet, Brown	1/1	
FDHM-RPLDR-PD-B-LA	Pad Mount Cabinet Door, Almond, Large, Rear	1/1	
FDHM-RPLDR-PD-B-LJ	Pad Mount Cabinet Door, Green, Large, Rear	1/1	
FDHM-RPLDR-PD-B-LK	Pad Mount Cabinet Door, Brown, Large, Rear	1/1	
FDHM-RPLDR-PD-F-LA	HD Cabinet Door, Almond, Large, Front	1/1	
FDHM-RPLDR-PD-F-LJ	HD Cabinet Door, Green, Large, Front	1/1	
FDHM-RPLDR-PD-F-LK	HD Cabinet Door, Brown, Large, Front	1/1	
FDHM-RPLDR-PL-F-LLA	Pole Mount Cabinet Door, Large, Back, Almond, Left	1/1	
FDHM-RPLDR-PL-F-LLJ	Pole Mount Cabinet Door, Large, Back, Green, Left	1/1	
FDHM-RPLDR-PL-F-LLK	Pole Mount Cabinet Door, Large, Back, Brown, Left	1/1	
FDHM-RPLDR-PL-F-LRA	Pole Mount Cabinet Door, Large, Back, Almond, Right	1/1	
FDHM-RPLDR-PL-F-LRJ	Pole Mount Cabinet Door, Large, Back, Green, Right	1/1	
FDHM-RPLDR-PL-F-LRK	Pole Mount Cabinet Door, Large, Back, Brown, Right	1/1	
FDHM-HNDL-KIT-L	Replacement Handle Kit with Rod, Large	1/1	
FDHM-GRND-PD	#6 AWG OP Cable Ground Wire - Pad mount 20" length	1/1	
FDHM-GRND-PL	#6 AWG OP Cable Ground Wire - Pole mount 46" length	1/1	
FDHM-SPLTR-PB	Splitter Bracket, Piggy Back	1/1	
FDHM-REARLCK	Rear Door Lock Assembly	1/1	

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## FDH-HD Cassettes (Sold Separately)

Part Number	Product Description	Units per Delivery	
FDHM-24-6C2RJ000	Centrix™ Cassette FDH, 24 Fiber, SC APC, Pigtails	1/1	



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