OptiTect® Local Convergence Cabinet, HD Series

Features and Benefits

Multiple pad- and pole-mount configurations
Provide operator with maximum deployment flexibility

Enabled by Centrix™ Platform
SC APC Splice Cassettes (ordered separately) offer flexibility while reducing customer ordering and inventory complexity

Standards

Design and Test Criteria	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
Approvals and Listings	UL Listed
	RDUP (RUS) Listed

The OptiTect® 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 Module. LS Series Splitters are available in multiple configurations and are field proven.

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

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

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

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

Specifications

Cabinet Design

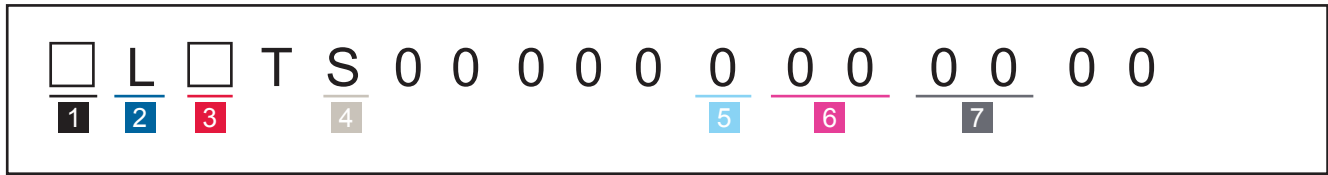|	Template Size	Configuration	Pad - Number of Doors	Pole - Number of Doors	Color
896 Fiber	Large	Pad or Pole	2	3	Almond Green Brown

Mechanical Characteristics Pad Mount

	Height	Pad Mount Height including Skirt	Width	Depth	Empty Weight	Fully Loaded Weight
896 Fiber	93.0 cm 36.62 in	118.41 cm 46.62 in	63.5 cm 25.0 in	50.3 cm 19.8 in	57.5 kg 126.76 lb	80.35 kg 177.16 lb

Mechanical Characteristics Pole Mount

	Height	Width	Depth	Empty Weight	Fully Loaded Weight
896 Fiber	92.7 cm 36.5 in	63.5 cm 25.0 in	45.2 cm 17.8 in	57.0 kg 125.66 lb	79.85 kg 176.06 lb

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Ordering Information

☐	L	☐	T S 0 0 0 0 0	0	0 0	0 0	0 0
1	**2**	**3**	**4**	**5**	**6**	**7**	

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

2 Defines cabinet size.
L = 896-fiber (large)
See Note 1.

3 Select mounting style.
P = Pole
C = Pad

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

5 Defines input/output cable.
0 = No cable

6 Defines input/output cable length.
00 = No cable length

7 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.

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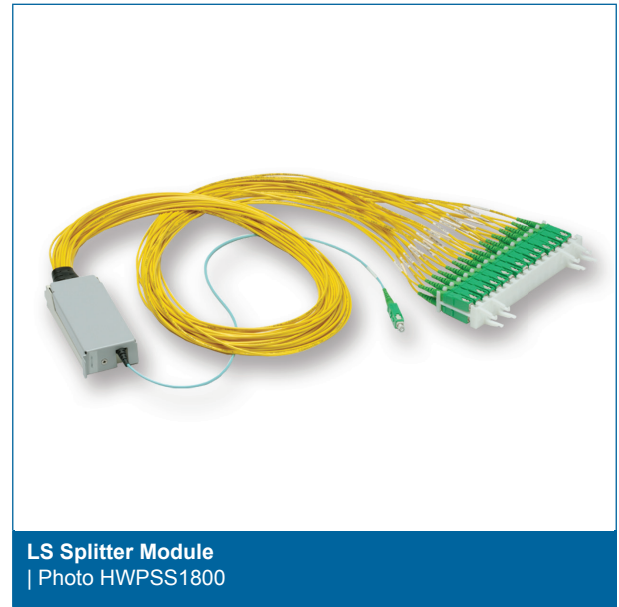# OptiTect® Local Convergence Cabinet, HD Series

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LS Splitter Modules

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

LS Splitter Module
| Photo HWPSS1800

Standard-Performance Devices

Part Number	Dimensions (HxWxD)	Insertion Loss, Typical	Insertion Loss, Maximum	Uniformity	Return Loss	Directivity	PDL
1x32-Splitter-Module-LS	43 mm x 23 mm x 107 mm (1.7 in x 0.9 in x 4.2 in)	15.7 dB	16.7 dB	1.3	≥ 55 dB	≥ 55 dB	0.3
Dual 1x16 Splitter Modules	43 mm x 23 mm x 107 mm (1.7 in x 0.9 in x 4.2 in)	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 (1.7 in x 0.6 in x 4.2 in)	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 (2.5 in x 0.9 in x 4.9 in)	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 ☐ ☐ A ☐ ☐ 1 ☐ ☐ ☐ ☐

              1   **2**   **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
2018 = Dual 1x8 slim module (two separate 1x8s in one module)
1164 = 1x64

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	
WMB4CC6CA6C11132	LS Splitter Module, 1x32	1/1	
WMB4CC6CA6C12116	LS Splitter Module, dual 1x16	1/1	
WMB4CC6CA6C12018	LS Splitter Module, dual 1x8	1/1	
WMB4CC6CA6C11164	LS Splitter Module, 1x64	1/1	

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Mounting Brackets

Part Number	Product Description	Units per Delivery	
LS-MTNG-KIT-POLE	LS Pole Mount Bracket, Almond	1/1	
FDH-LS-POLKIT-SMA1	LS Side Pole Mount Bracket, 144 and 288 LS Cabinets, ALmond	1/1	
FDH-LS-POLKIT-SMA2	LS Side Pole Mount Bracket, 432 LS Cabinets, Almond	1/1	

LS Cabinet Extension Skirts

Part Number	Product Description	Units per Delivery	
FDH-LSSKRT-06-ALM	LS Extension Skirt, 6-inch, for 144, 288 and 432 LS Cabinets, Almond	1/1	
FDH-LSSKRT-06L-ALM	LS Extension Skirt, 6-inch, for 576 and 864 LS Cabinets, Almond	1/1	
FDH-LSSKRT-12-ALM	LS Extension Skirt, 12-inch, for 144, 288 and 432 LS Cabinets, Almond	1/1	
FDH-LSSKRT-12L-ALM	LS Extension Skirt, 12-inch, for 576 and 864 LS Cabinets, Almond	1/1	

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	

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	
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	

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Accessory Kits

Part Number	Description	Units per Delivery
CTX-KIT-SR-CS	Centrix™ Cassette Strain-Relief Kit	1/1
CTX-SERVICE-BKT	Centrix™ Service Bracket Assembly	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-SHL-L-A	Replacement Shell, Large Cabinet, Almond	1/1
FDHM-POLKIT-L-A	Pole Mount Kit, Large Cabinet, Almond	1/1
FDHM-POLKIT-L-K	Pole Mount Kit, 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-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
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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