

OptiText® Indoor Local Convergence Cabinet, LS Series

CORNING

Features and Benefits

Dedicated “pass-through” capability

Provides service in a mix-use building without giving up splitter capabilities

Gravity-based fiber management

Best-in-class long-term fiber management

Full front access

Protects backplane during day-to-day customer turn-up

Splitter compatibility across OptiText Cabinet family

Minimizes the need to inventory multiple splitters

864 Fiber Capacity

High capacity to fit the need for high-rise buildings or large MDU applications

Corning OptiText® Indoor Local Convergence Cabinet, LS Series, provides everything necessary to manage up to 864 distribution fibers for indoor FTTx applications. All cabinets share the same intuitive and efficient cable routing and splitter storage. Each cabinet provides superior ergonomics with full front access, resulting in minimal installation time, quick connections and ultimately increased profits. Distribution panel easily swings out if deemed necessary.

Feeder fibers, distribution fibers, splitter modules, splicing and unused splitter output storage are all contained within a single, rugged, wall- or rack-mountable enclosure. Factory preconnectorization and installation of feeder and riser cable(s), or splice capability, ensure quick, easy and reliable installation in the field.

All splitter modules are compatible and interchangeable across all OptiText LS Cabinets and the Eclipse® Hardware family. Each splitter module features connectorized inputs and outputs.

The OptiText Indoor Local Convergence Cabinet, LS Series was developed to provide the same features provided in the outside plant OptiText Local Convergence Cabinet. These features include the “pass-through” capabilities quick field placement and parking of splitter modules, and the best-in-class fiber management.

Standards

Design and Test Criteria

Cabinets meet applicable sections of Telcordia GR-2898, GR-487, GR-63-CORE, GR-449-CORE, GR-3123

Modular splitters meet applicable sections of GR-1209-CORE, GR-1221-CORE

UL Listed



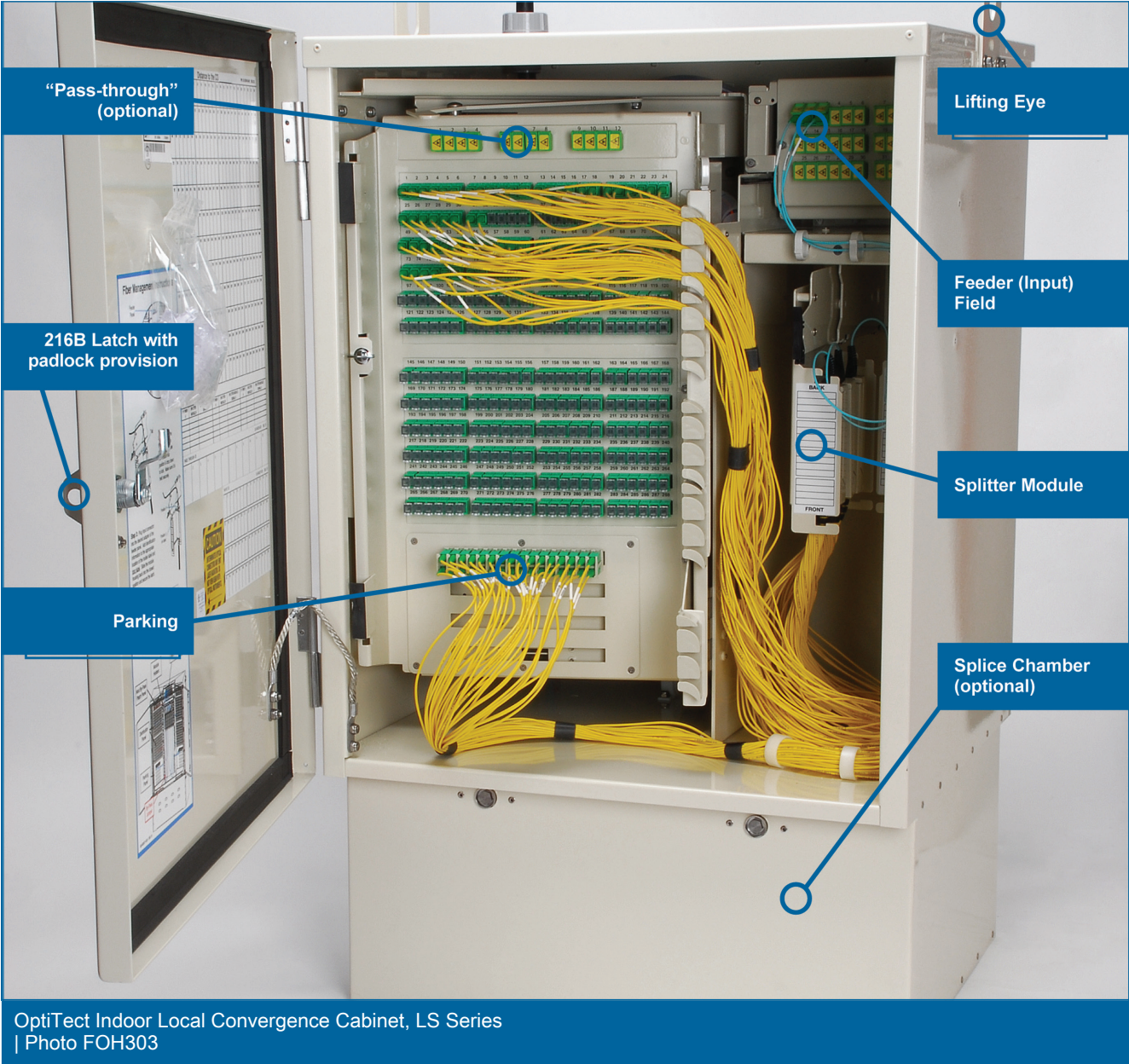
864F OptiText Indoor Local Convergence Cabinet in Frame, LS Series | Photos CRR3405/3406



OptiText Indoor Local Convergence Cabinet, LS Series (open) | Photo FOH302

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OptiTest® Indoor Local Convergence Cabinet, LS Series



OptiTest Indoor Local Convergence Cabinet, LS Series
| Photo FOH303



OptiText® Indoor Local Convergence Cabinet, LS Series



Cabinet Configurations

The OptiText Indoor Local Convergence Cabinet, LS Series is available in multiple configurations. It can be purchased pigtailed, fully stubbed or partially stubbed.

Pigtailed Cabinet

A pigtailed cabinet is ordered without the feeder and distribution cables. All feeder and distribution fields are preconnectorize and pigtails are routed to the splice chamber. The installer will strain-relieve and route both the feeder and distribution cables down to the splice chamber to splice to the pigtails of preconnectorized inputs and outputs.

Fully Stubbed Cabinet

A fully stubbed cabinet is supplied with factory-installed feeder and distribution cables. As no splicing is necessary inside the cabinet, the splice chamber is not included on this model.

Partially Stubbed Cabinet

A partially stubbed cabinet can be ordered with either a feeder or a distribution cable. All feeder and distribution fields are preconnectorized and the appropriate pigtails are routed to the splice chamber. The installer will strain relieve and route the cable down to the splice chamber to splice to the pigtails of preconnectorize inputs or outputs.

Specifications

Design						
	Configuration	Color	Connector Type	Maximum Number of Splitter Modules 1x32 or Dual 1x16	Maximum Number of Splitter Modules, Slim	Splitter Output Parking Capacity
144 Fiber	Wall or Rack Mount	Almond	SC APC or SC UPC	5	10	128
288 Fiber	Wall or Rack Mount	Almond	SC APC or SC UPC	9	18	128
432 Fiber	Wall or Rack Mount	Almond	SC APC or SC UPC	14	28	192
576 Fiber	Wall or Rack Mount	Almond	SC APC or SC UPC	18	36	576
864 Fiber	Wall or Rack Mount	Almond	SC APC or SC UPC	27	54	864

Note: Proper splitter module fit, design, and connector/cable integrity are critical to cabinet performance. All listings, approvals, and specifications are based on Corning LS Cabinets used exclusively with Corning LS Splitter modules. Use of any other splitter in the Corning LS Cabinet may result in physical damage to the Corning LS Cabinet. Failure to adhere to these guidelines and use of a splitter other than the Corning LS Splitter in the Corning LS Cabinet will void Corning's warranty on the LS Cabinet.



OptiTect® Indoor Local Convergence Cabinet, LS Series



Ordering Information

Mechanical Characteristics					
	Wall-Mount Height	Wall-Mount Height with Splice Chamber	Width	Depth	Empty Weight (Wall)
144 Fiber	66.8 cm (26.3 in)	79.5 cm (31.3 in)	56.9 cm (22.4 in)	49.0 cm (19.3 in)	31.0 kg (70.0 lb)
288 Fiber	66.8 cm (26.3 in)	79.5 cm (31.3 in)	56.9 cm (22.4 in)	49.0 cm (19.3 in)	31.0 kg (70.0 lb)
432 Fiber	89.7 cm (35.3 in)	112.5 cm (44.3 in)	56.9 cm (22.4 in)	49.0 cm (19.3 in)	36.0 kg (80.0 lb)
576 Fiber	151.6 cm (59.7 in)	174.5 cm (68.7 in)	56.9 cm (22.4 in)	49.0 cm (19.3 in)	120.0 kg (264.5 lb w/frame)
864 Fiber	151.6 cm (59.7 in)	174.5 cm (68.7 in)	56.9 cm (22.4 in)	49.0 cm (19.3 in)	120.0 kg (264.5 lb w/frame)

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Ordering Information



1 Select cabinet size.

D = 144 ports
C = 288 ports
A = 432 ports
E = 576 ports
F = 864 ports

2 Select mount type.

W = Wall (standard, no rack)
R = Rack (ships w/rack; 576 & 864 only)

3 Select connector type.

S = SC APC (standard)
U = SC UPC

4 Select feeder fiber count.

Selection required regardless whether cabinet is stubbed or stubless

1 = 12 fibers (144 cabinet only)
2 = 24 fibers (144 or 288 cabinets only)
4 = 48 fibers (432 cabinets)
7 = 72 fibers (576 and 864 cabinets only)

5 Select number of pass-through ports.

0 = No dedicated pass-through
1 = 12 pass-through fibers (144 and 288 only)
3 = 36 pass-through fibers (432 only)
7 = 72 pass-through fibers (576 and 864 only)

6 Select feeder cable length.

00 = No feeder cable (spliced input)
31 = 31 m (100 ft), standard
50 = 50 m (164 ft)

7 Select feeder cable type.

Stubless Cabinets only
AA = Ribbon pigtails
BB = Loose tube pigtails
Stubbed Cabinets only
CF = FREEDM Ribbon Riser Indoor/Outdoor Cable
UF = FREEDM Loose Tube Indoor/Outdoor Cable

8 Select distribution cable configuration.

0 = No distribution cable (spliced output)
1 = One preconnectorized distribution cable
2 = Two preconnectorized distribution cables, must be equal count

9 Select distribution cable length.

00 = No distribution cable (spliced output)
08 = 8 m (25 ft), standard
16 = 16 m (52 ft)
31 = 31 m (100 ft)
50 = 50 m (164 ft)

10 Select distribution cable type.

Selections made here must align with option selected in selection Box 8.

Spliced Distribution only

AA = Ribbon pigtails
BB = Loose tube pigtails

Factory Stubbed Distribution only

C7 = Ribbon Riser
Only used with 144, 288 and 432 port cabinets
144 = (1) 144 fiber or (2) 72 fiber
288 = (2) 144 fiber only
432 = (2) 216 fiber only
V7 = UltraRibbon Riser Gel-Free
Only used with 288, 432, 576 and 864 port cabinets
288 = (1) 288 fiber
432 = (1) 432 fiber
576 = (1) 576 fiber or (2) 288 fiber
864 = (1) 864 fiber or (2) 432 fiber
U7 = ALTOS Loose Tube Riser
Only used with 144, 288, 432 and 576 port cabinets
144 = (1) 144 fiber or (2) 72 fiber
288 = (1) 288 fiber or (2) 144 fiber
432 = (2) 216 fiber only
576 = (2) 288 fiber only

11 Select splitter module quantity.

0 = None (standard)
1 = One
2 = Two

12 Select module type.

0 = No module (standard)
A = 1x32
D = Dual 1x16

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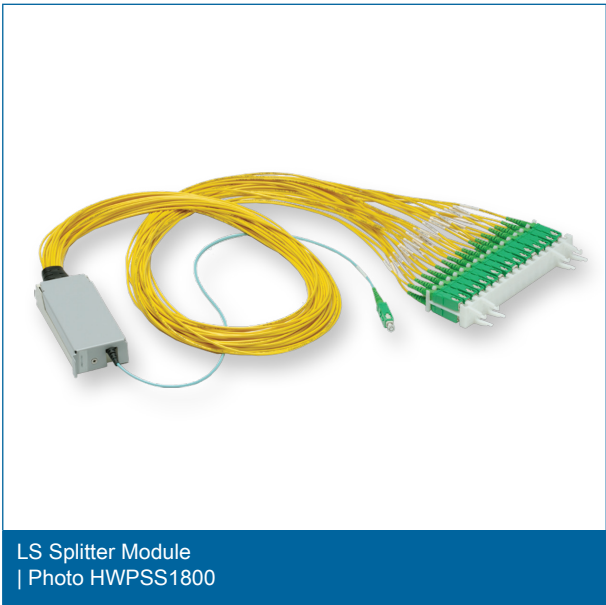


LS Indoor - T2 Splitter Modules

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

Features

- Indoor use rated splitter
- Robust housing protects module during installation and throughout product life
- Integrated parking clips installed on connectors
- GR-326 certified connectors



LS Splitter Module
| Photo HWPSS1800

Standard-Performance Devices							
	Dimensions (HxWxD)	Insertion Loss, Typical	Insertion Loss, Maximum	Uniformity	Return Loss	Directivity	PDL
1x32 Splitter Module	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 Module	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

Note:
Insertion Loss and Uniformity values do not include connectors.
Wave-length ranges for all LS Splitter Modules: 1260-1360 and 1480-1625

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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
- 2

Select output connector code.
6C = SC APC (standard)
5C = SC UPC
- 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

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	

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