

OptiTect® Indoor Local Convergence Cabinet, Gen III Series

CORNING

Features and Benefits

Industry-leading cabinet size

Significant freight, storage and installation efficiencies

Full factory-stubbed cabinets

Enables quicker installation and rapid emergency restoration

Splitter modules are interchangeable within the Gen III and Eclipse Hardware family

Streamlines logistical needs and reduces part numbers and inventory

32 connector parking clips that snaps easily into the parking door

Fast field parking of unused splitter module connectors

The OptiTect® Indoor Local Convergence Cabinet, Gen III Series provides everything necessary to distribute up to 432 distribution fibers for indoor Multidwelling Unit (MDU) FTTx applications. All Gen III Indoor cabinets feature intuitive fiber management and internal layout to minimize training and optimize installer productivity.

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.

The Gen III Indoor cabinet also features an innovative swing-out panel for rear connector access and an integrated storage door for parking unused splitter module output connectors.



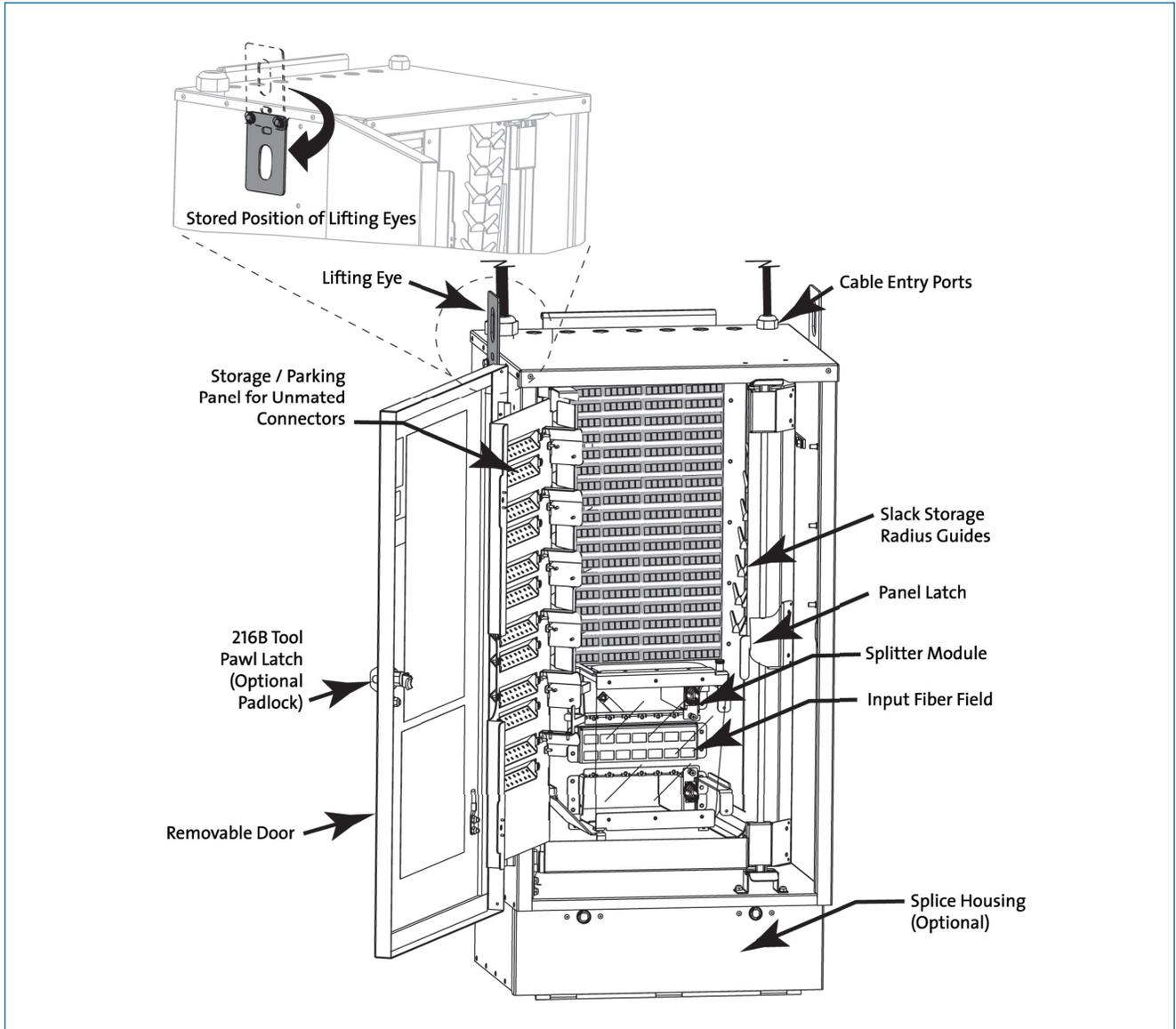
OptiTect Indoor Gen III Cabinet - Parking Panel | Photo CCO118



OptiTect Indoor Gen III Cabinet (open) | Photo CCO120

OptiTect® Indoor Local Convergence Cabinet, Gen III Series

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OptiTect Indoor GEN III Cabinet
| Drawing ZA-3112

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OptiTect® Indoor Local Convergence Cabinet, Gen III Series



Cabinet Configurations

The OptiTect® Indoor Gen III Local Convergence Cabinet 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 preconnectorized 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. Use the part number matrix titled, "Pigtailed: Field splice Feeder and Distribution"

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. Use the part number matrix titled, "Fully or Partially Stubbed Feeder and/or Distribution"

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 preconnectorized inputs or outputs. Use the part number matrix on titled, "Fully or Partially Stubbed Feeder and/or Distribution"

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
72/144 Fiber	Wall or Rack	Almond	SC APC or SC UPC	5	10	64
288 Fiber	Wall or Rack	Almond	SC APC or SC UPC	9	18	128
432 Fiber	Wall or Rack	Almond	SC APC or SC UPC	14	28	192

Note:

Two slim modules fit into one standard module slot using adapter bracket. Slim modules are available in 1x4, dual 1x4, 1x8 and dual 1x8.

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Mechanical Characteristics

	Wall-Mount Height	Wall-Mount Height with Splice Chamber	Width	Depth	Empty Weight (Wall)
72/144 Fiber	47.5 cm (18.7 in)	59.4 cm (23.4 in)	49.5 cm (19.5 in)	39.9 cm (15.7 in)	27.2 kg (60.0 lb)
288 Fiber	65.0 cm (25.6 in)	77.2 cm (30.4 in)	49.5 cm (19.5 in)	39.9 cm (15.7 in)	31.8 kg (70.0 lb)
432 Fiber	86.1 cm (33.9 in)	98.0 cm (38.6 in)	49.5 cm (19.5 in)	39.9 cm (15.7 in)	38.6 kg (85.0 lb)

OptiText® Indoor Local Convergence Cabinet, Gen III Series



Pigtails: Field Splice Feeder and Distribution

Ordering Information

<p>72-Fiber Option</p> <p>B M W - 72 - <input type="text"/> <input type="text"/> <input type="text"/></p> <p style="text-align: center;"> 1 2 3 </p>
<p>144-Fiber Option</p> <p>B D W - 1 4 4 - <input type="text"/> <input type="text"/> <input type="text"/></p> <p style="text-align: center;"> 1 2 3 </p>
<p>288-Fiber Option</p> <p>B C W - 2 8 8 - <input type="text"/> <input type="text"/> <input type="text"/></p> <p style="text-align: center;"> 1 2 3 </p>
<p>432-Fiber Option</p> <p>B A W - 4 3 2 - <input type="text"/> <input type="text"/> <input type="text"/></p> <p style="text-align: center;"> 1 2 3 </p>

1 Select connector type.
 S = SC APC (standard)
 U = SC UPC

2 Select splitter module quantity.
 0 = None (standard)
 1 = 1
 2 = 2

3 Select module type.
 0 = No module (standard)
 D = Dual 1x16
 A = 1x32

Cabinet is supplied with factory-installed feeder and/or distribution cables. If field splicing the feeder or distribution cables, ribbonized pigtails are routed to the splice chamber. If fully stubbed, a splice chamber is not provided. Loose tube cable is only available in a fully stubbed cabinet at this time. Contact your Customer Care representative at 800-743-2675 for more options.

OptiText® Indoor Local Convergence Cabinet, Gen III Series

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Fully or Partially Stubbed Feeder and/or Distribution

Ordering Information

Stubbed														
B	<input type="text"/>	WP	<input type="text"/>											
	1		2	3	4	5	6	7	8	9	10	11		
Stubless Feeder														
B	<input type="text"/>	W	-	<input type="text"/>										
	1			5	6	7	8	9	10	11				
Stubless Distribution														
B	<input type="text"/>	WP	<input type="text"/>	-	<input type="text"/>									
	1		2	3	4				9	10	11			

- | | | |
|--|--|--|
| <p>1 Select cabinet size.
M = 72 fiber C = 288 fiber
D = 144 fiber A = 432 fiber</p> <p>2 Select feeder fiber count.
0 = No feeder cable (spliced input)
6 = 6 fiber, used in 72 cabinet only
1 = 12 fiber, used in 144 cabinet only
2 = 24 fiber, used in 144 or 288 cabinets only
4 = 48 fiber, 432 cabinets
<i>See Note 1.</i></p> <p>3 Select feeder cable length.
00 = No feeder cable (spliced input)
31 = 31 m (100 ft) (standard)</p> <p>4 Select feeder cable type.
00 = No feeder cable (spliced input)
CF = FREEDM® Ribbon Riser Indoor/Outdoor Cable
UF = FREEDM Loose Tube Indoor/Outdoor Cable</p> | <p>5 Select distribution cable configuration.
0 = No distribution cable (spliced output)
1 = 1 preconnectorized distribution cable
2 = 2 preconnectorized distribution cables, must be equal fiber count</p> <p>6 Select total distribution fiber count.
0 = No distribution cable (spliced output)
K = 72 fiber
C = 144 fiber
D = 216 fiber
E = 288 fiber
A = 432 fiber</p> <p>7 Select distribution cable length.
00 = No distribution cable (spliced output)
08 = 8 m (25 ft) (standard)</p> | <p>8 Select distribution cable type.
00 = No distribution cable (spliced output)
C7 = Ribbon Riser Cable
Q7 = ALTOS® Ribbon Riser Cable (288 or 432 cabinets only)
U7 = ALTOS Loose Tube Riser Cable</p> <p>9 Select connector type.
S = SC APC (standard)
U = SC UPC</p> <p>10 Select splitter module quantity.
0 = None (standard)
1 = 1
2 = 2</p> <p>11 Select module type.
0 = No module (standard)
D = Dual 1x16
A = 1x32</p> |
|--|--|--|

Cabinet is supplied with factory-installed feeder and/or distribution cables. If field splicing the feeder or distribution cables, ribbonized pigtails are routed to the splice chamber. If fully stubbed, a splice chamber is not provided. Loose tube cable is only available in a fully stubbed cabinet at this time. Contact your Customer Care representative at 800-743-2675 for more options.

Note 1. Feeder fiber count should match or exceed maximum splitter capacity of 1x32 or 1x16. See Splitter Module Specifications.

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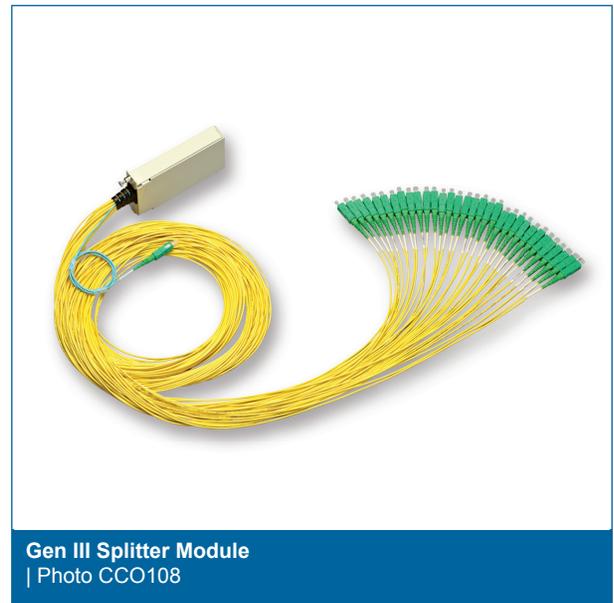
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Gen III Indoor - T2 Splitter Modules

All Gen III splitter modules are compatible and interchangeable across indoor OptiTect® Gen III Cabinets and cLCP (Compact Local Convergence Point) Cabinets, as well as the Corning Eclipse® Hardware family. These splitter modules meet applicable sections of Telcordia GR-1209-CORE and GR-1221-CORE. Each module features connectorized inputs and outputs.

Features

- Indoor use rated splitter
- Robust housing protects module during installation and throughout product life
- Integrated parking clips installed on connectors
- Interchangeable across indoor OptiTect® Gen III Cabinets and Eclipse® Hardware family
- Slim module is half the thickness of full-size module to maximize cabinet density; module is shipped with cabinet mounting bracket



Standard-Performance Devices

Part Number	Dimensions (HxWxD)	Insertion Loss, Typical	Insertion Loss, Maximum	Uniformity	Return Loss	Directivity	PDL
1x32 Splitter Module,	63 mm x 23 mm x 125 mm	15.7 dB	17.1 dB	1.5	> 55 dB	> 55 dB	0.3
Dual 1x16 Splitter Modules,	63 mm x 23 mm x 125 mm	12.9 dB	14.0 dB	1.2	> 55 dB	> 55 dB	0.3
1x4 and Dual 1x4 Slim Splitter Modules	63 mm x 11.5 mm x 125 mm	6.7 dB	7.4 dB	1.0	> 55 dB	> 55 dB	0.2
1x8 and Dual 1x8 Slim Splitter Modules	63 mm x 11.5 mm x 125 mm	9.8 dB	10.5 dB	1.0	> 55 dB	> 55 dB	0.2
1x64 Splitter Module,	63 mm x 23 mm x 125 mm	19.4 dB	20.4 dB	1.8	> 55 dB	> 55 dB	0.5
2x32 Splitter Module,	63 mm x 23 mm x 125 mm	17.0 dB	18.0 dB	2.5	> 55 dB	> 55 dB	0.4
2x16 Splitter Module,	63 mm x 23 mm x 125 mm	13.3 dB	14.5 dB	2.3	> 55 dB	> 55 dB	0.4

Note:

Wavelength Range 1260-1360 nm and 1480-1360 nm.

Insertion Loss and Uniformity values do not include connectors.

Two slim modules fit into one standard module slot using adapter bracket. Slim modules are available in 1x4, dual 1x4, 1x8 and dual 1x8.

OptiText® Indoor Local Convergence Cabinet, Gen III Series

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Ordering Information

U	<input type="text"/>	R	1	C	C	<input type="text"/>	<input type="text"/>	Z	<input type="text"/>	<input type="text"/>	2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	1					2			3				4		

- 1** Select module size.
 M = Standard (1x32, 1x64
 Dual 1x16, 2x16, 2x32 only)
 S = Slim module (1x4, dual
 1x4, 1x8, dual 1x8 only)

- 2** Select input connector code.
 6C = SC APC, standard
 5C = SC UPC

- 3** Select output connector code.
 6C = SC APC, standard
 5C = SC UPC

- 4** Select coupler/splitter configuration.
 1132 = 1x32, standard
 1164 = 1x64
 2116 = Dual 1x16, standard (two 1x16's in one module)
 1216 = 2x16 (one splitter with two input fibers)
 1232 = 2x32 (one splitter with two input fibers)
 1014 = 1x4 slim module
 2014 = Dual 1x4 slim module (two separate 1x4s in one module)
 1018 = 1x8 slim module
 2018 = Dual 1x8 slim module (two separate 1x8s in one module)

Part Number Example

Part Number	Product Description	Units per Delivery	
UMR1CC6CZ6C21132	Gen III Splitter Module T2, 1x32, SC APC connectors	1/1	
UMR1CC6CZ6C22116	Gen III Splitter Module T2, Dual 1x16, SC APC connectors	1/1	
USR1CC6CZ6C22018	Gen III Splitter Module T2, Dual 1x8, SC APC connectors	1/1	

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