OptiTect® Indoor CE Cabinet

CORNING

Features and Benefits

Multiple mounting options
Rugged, low-profile, wall-, rack- or strut-mountable

Various configuration options
Factory and field configuration options include splicing and plug-and-play capabilities

Splitter capacity
Accommodates dual 1x4, 1x8, 1x6 and 1x32 splitters

Splitter compatibility
Accepts both LS and Gen III modules, both of which can be used in the Eclipse® Hardware family

Distribution access
Hinged panel allows access to the distribution panel backplane

Secure
216-B door lock with padlock provisions

Parking capacity
Fast field parking of unused splitter module connectors with 32-connector parking clips snap easily into the parking panel

Clear dust caps
Provide easy installation and removal, plus visual fault locating capability and dust protection

The OptiTect® Indoor CE Cabinet, with the option of non-pinned MTP® Connectivity, provides optical splitting and fiber management for up to 288 fibers.

Feeder fibers, distribution fibers, splitter modules and unused splitter output storage are all contained within a rugged wall-, rack-, or strut-mountable enclosure. Splice and plug-and-play capabilities ensure a quick, easy and reliable installation in the field.

The CE cabinet can accept splitter modules from both the OptiTect LS and Gen III cabinet families. Each splitter module features connectorized inputs and outputs.

OptiTect Indoor CE Cabinet
| Photo CAR391

Optional non-pinned MTP® Connector Panel
| Photo CRR402

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Standards

Design and Test Criteria   Cabinets ITL tested and qualified to applicable sections of Telcordia GR-3123

Modular splitters ITL tested and qualified to GR-1209 and GR-221-CORE

The OptiTect Indoor CE Cabinet is available in multiple configurations. It can be purchased stubless, partially stubbed or fully stubbed.

Specifications

General Specifications	
Height	52 cm (20.50 in)
Width	56 cm (22 in)
Depth	144 fiber: 35 cm (14 in) 288 fiber: 43 cm (17 in)
Configuration	Wall-, rack- and strut-mountable
Additional Housing Components	1. Splice Chamber 12 cm (4.7 in) – total housing 64 cm (25.2 in) 2. Slack Storage 28 cm (11.0 in) – total housing 80 cm (31.5 in) 3. Direct-drop Splice 23.5 cm (9.3 in) – total housing 76 cm (29.9 in)
Connectors	SC APC and SC UPC
Max Number of Splitter Modules	(5) 1x32 or dual 1x16 (9) dual 1x8
Splitter Output Parking Capacity	64
Color	Almond

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Stubless FDH

A stubless cabinet is supplied without the feeder and distribution cables.
• The feeder field is preconnectorized and pigtails are routed to the splice trays. The installer will provide strain-relief and route the feeder cable to the splice ray to splice to the pigtails.
• The distribution field is available with two options: preconnectorized pigtails or connectorized distribution cable(s):
>Preconnectorized pigtails are routed to the splice trays. The installer will strain-relieve and route the distribution cable(s) to the splice tray to splice to the pigtails.
>Connectorized distribution cable(s) plug into the distribution field via multifiber connectors.

OptiTect® Indoor CE Cabinet with Optional Slack Storage Unit | Photo CRR401

Fully Stubbed FDH

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

Partially Stubbed FDH

A partially stubbed cabinet can be ordered with either a feeder or a distribution cable. See the Stubless FDH section above for stubless options and configurations.

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Non-pinned MTP® Connector-enabled CE Cabinet

Ordering Information

J ☐ W P S ☐ 0 ☐☐ ☐☐ 0 0 0 7 7 ☐ ☐
1 2 3 4 5 6 7 8 9 10 11 12 13 14

1 Defines color.
J = Almond

2 Select size.
C = 288 fiber
D = 144 fiber
K = 96 fiber
M = 72 fiber

3 Defines housing.
W = Basic housing (216 handle)

4 Defines handle/key type.
P = Standard

5 Defines connector.
S = SC APC

6 Select feeder fiber count.
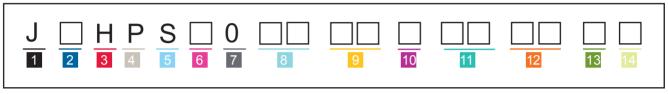1 = 12-fiber feeder (standard
for 144 and smaler)
2 = 24-fiber feeder (standard
for 288)

7 Defines feeder configuration.
0 = Standard

8 Select input cable length.
00 = No feeder
16 = 16 m (50 ft)
31 = 31 m (100 ft)
50 = 50 m (164 ft)

9 Select input cable type.
AA = Ribbon Pigtails
BB = Loose Tube Pigtails
CF = FREEDM® Ribbon Riser
I/O Cable
WF = FREEDM LT I/O Cable

10 Defines distribution configuration.
0 = No distribution

11 Defines distribution cable length.
00 = No distribution

12 Defines distribution cable
77 = Non-pinned MTP Connector
distribution

13 Select splitter quantity.
0 = No modules
1 = One module
2 = Two modules

14 Select module type.
0 = No module
3 = No module
(Gen III bracket installed)
P = 1x32 (LS)
R = 1x32 (Gen III)

OptiTect® Indoor CE Cabinet

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Stubbed and Stubless CE Cabinet
(Non-MTP® Connector)

Ordering Information

J	☐	H	P	S	☐	0	☐☐	☐☐	☐	☐☐	☐☐	☐	☐
1	2	3	4	5	6	7	8	9	10	11	12	13	14

1 Defines color.
J = Almond

2 Select size.
C = 288 fiber
D = 144 fiber
K = 96 fiber
M = 72 fiber

3 Defines housing type.
H = Basic housing with direct

4 Defines handle/key type.
P = Standard

5 Defines connector.
S = SC APC

6 Select feeder count.
1 = 12-fiber feeder (standard for 144 and smaler)
2 = 24-fiber feeder (standard for 288)

7 Defines feeder configuration.
0 = Standard

8 Select input cable length.
00 = No feeder
16 = 16 m (50 ft)
31 = 31 m (100 ft)
50 = 50 m (164 ft)

9 Select input cable type.
AA = Ribbon pigtails
BB = Loose tube pigtails
CF = FREEDM® Ribbon Riser I/O Cable
UF = FREEDM LT I/O Cable

10 Select distribution configuration (even splits).
0 = No distribution stub
1= One distribution cable
2= Two distribution cables

11 Select distribution cable length.
00 = No distribution
08 = 8 m (25 ft)
16 = 16 m (50 ft)
31 = 31 m (100 ft)
50 = 50 m (164 ft)

12 Select distribution cable.
AA = Ribbon pigtails
BB = Loose tube pigtails*
C7 = Ribbon riser cable
Q7 = ALTOS® Ribbon Riser Cable
U7 = ALTOS LT Riser Cable

13 Select splitter quantity.
0 = None
1 = One splitter
2 = Two splitters

14 Select module type.
0 = No module
3 = No module (Gen III bracket installed)
P = 1x32 (LS)
R = 1x32 (Gen III)

Required when distribution loose tube pigtails are selected.

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Splitter module specifications
Standard Performance Devices

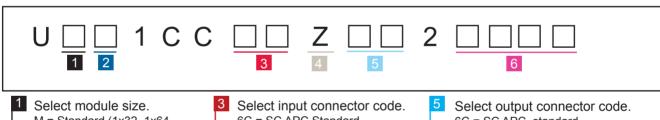|	Module Size mm (in)	Wavelength Range	Typical IL*	Maximum IL*	Maximum	Return Loss	Return	Return PDL
1x32 Splitter Module	107 x 43 x 23 (4.2 x 1.7 x 0.9)	1260-1360 and 1480-1625 nm	15.7	16.7	1.5	≥ 55	≥ 55	0.3
Dual 1x16 Splitter Modules	107 x 43 x 23 (4.2 x 1.7 x 0.9)	1260-1360 and 1480-1625 nm	12.9	13.5	1.2	≥ 55	≥ 55	0.3
Dual 1x8 Splitter Modules	107 x 43 x 15 (4.2 x 1.7 x 0.6)	1260-1360 and 1480-1625 nm	9.8	10.2	1.0	≥ 55	≥ 55	0.2
1x64 Splitter Module	125 x 64 x 23 (4.9 x 2.5 x 0.9)	1260-1360 and 1480-1625 nm	19.4	20.4	1.8	≥ 55	≥ 55	0.5

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

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

Gen III Splitter Modules

Ordering Information

U ☐☐ 1 C C ☐☐ Z ☐☐ 2 ☐☐☐☐
 1 **2**   **3** **4** **5**   **6**

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 performance grade.
B = Standard grade
P = Premium grade (1x32 only)

3 Select input connector code.
6C = SC APC Standard
5C = SC UPC

4 Defines input feeder type.
Z = Connectorized input, standard

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

6 Select couple/splitter configuration.
1132 = 1x32, standard
2116 = Dual 1x16, standard (two 1x16s in one module)
2018 = Dual 1x8 slim module (two separate1x8s in one module)
1164 = 1x64

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Ordering Information

Accesories	
Part Number	Product Description
IFDH-CE-SLACK-STRG	Slack storage chamber for OptiTect® Indoor CE Cabinet

RoHS COMPLIANT

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