OptiTect™ Advantage Local Convergence Cabinet

An Evolant® Solutions Product

Corning Cable Systems

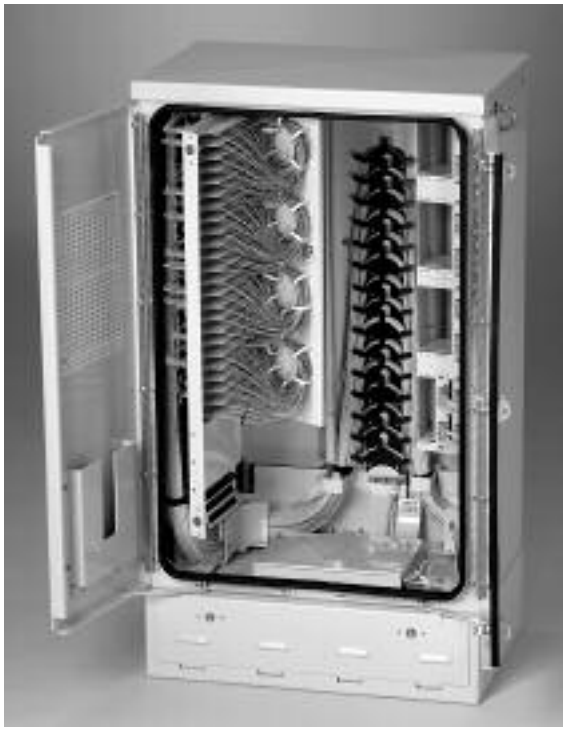
Description

The OptiTect™ Advantage Local Convergence Cabinet family provides everything necessary to manage up to 576 distribution fibers for an outside plant FTTx application. All cabinets share the same intuitive fiber management and internal layout to minimize training and optimize installer productivity.

Feeder fibers, distribution fibers and coupler/splitter modules are all contained within a single, rugged, pad- or pole-mounted enclosure to accommodate both aerial and buried cable applications. Factory-preconnectorized distribution and feeder cable(s) ensure quick, easy and reliable installation in the field.

Each OptiTect Advantage Cabinet has coupler/splitter capacity for 1x32, 1x16 and/or dual 1x8 modules. Coupler/splitter outputs are all single-length and are optimized with slack storage controlled in an easy-access management area located in the center of the cabinet.

All coupler/splitter modules are compatible with all sizes of Corning Cable Systems OptiTect Advantage Cabinets. The modules are fully ITL tested and qualified to Telcordia GR-1209-CORE and GR-1221-CORE. Each coupler/splitter module features either spliced or connectorized inputs and connectorized pigtailed outputs. Additionally, the cabinet features a termination storage panel for multiple unused coupler/splitter output ports.



OptiTect Advantage Cabinet (432 fibers) | Photo ICH289

OptiTect Advantage Cabinet (576 fibers) | Photo ICH285

CORNING
Discovering Beyond Imagination

Product Specifications

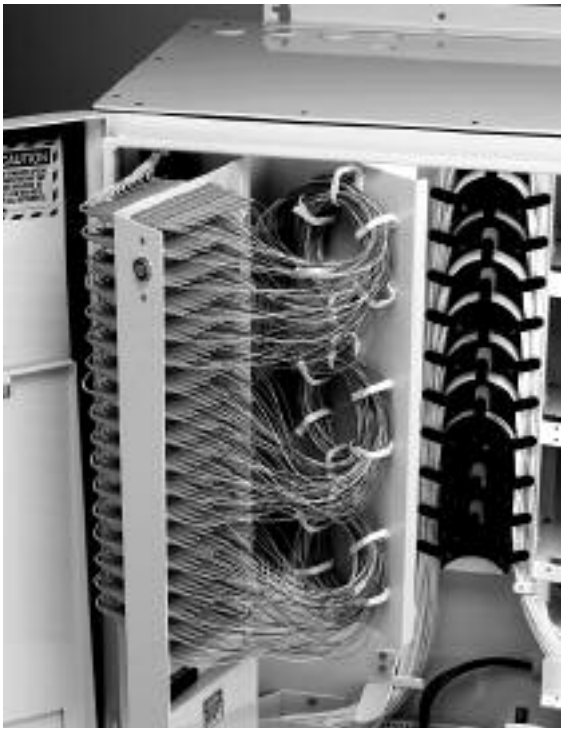
OptiTect™ Advantage Local Convergence Cabinet

An Evolant® Solutions Product

Corning Cable Systems

Features / Benefits

- Distribution fiber counts of 216, 288, 432 and 576
- One-size-fits-all coupler modules for OptiTect™ Advantage cabinets only
- Pad- or pole-mountable (576 is pad-mountable only)
- Capacity for 1x32, 2x32, 1x16, 2x16 or dual 1x8 splitters
- Factory-installed feeder and distribution cables
- Options for spliced or connectorized feeder fibers to coupler/splitter module inputs
- Integrated termination storage panel (parking) for unused coupler/splitter output connectors
- 3-in bend diameter control throughout
- Cabinets ITL tested and qualified to applicable sections of Telcordia GR-2898-CORE, GR-487-CORE, GR-63-CORE, GR-449-CORE
- Modular splitters ITL tested and qualified to GR-1209-CORE, GR-1221-CORE
- UL listed
- GR-449-CORE compliant fiber distribution and routing
- 216-B door lock with padlock provisions
- Swing-out distribution panel for full rear access to the distribution fibers



OptiTect Advantage Cabinet with Swing-Out Panel (432 Fibers) | Photo ICH282

CORNING
Discovering Beyond Imagination

OptiTect™ Advantage Local Convergence Cabinet

An Evolant® Solutions Product

Corning Cable Systems

Specifications

	216 Fiber	288 Fiber	432 Fiber	576 Fiber
Configuration	Pole or Pad	Pole or Pad	Pole or Pad	Pad
Number of Doors	1 Door	1 Door	2 Doors	2 Doors
Pole-Mount Height	89 cm (35.0 in)	89 cm (35.0 in)	104 cm (41.0 in)	N/A
Pad-Mount Height*	109 cm (43.0 in)	109 cm (43.0 in)	122 cm (48.0 in)	119 cm (48.0 in)
Width	53 cm (21.0 in)	53 cm (21.0 in)	69 cm (27.0 in)	102 cm (40.0 in)
Depth	46 cm (18.0 in)	46 cm (18.0 in)	46 cm (18.0 in)	42 cm (16.7 in)
Empty Weight (Pole)	45 kg (100 lbs)	45 kg (100 lbs)	52 kg (115 lbs)	N/A
Empty Weight (Pad)	50 kg (110 lbs)	50 kg (110 lbs)	57 kg (125 lbs)	75 kg (165 lbs)
Connectors	SC APC or SC UPC	SC APC or SC UPC	SC APC or SC UPC	SC APC or SC UPC
Max Number of Splitter Modules	(14) 1x16, (14) Dual 1x8 (7) 1x32	(18) 1x16, (18) Dual 1x8 (9) 1x32	(28) 1x16, (28) Dual 1x8 (14) 1x32	(36) 1x16, (36) Dual 1x8 (18) 1x32
Splitter Output Parking Capacity	64	64	128	128
Standard Color	Almond**	Almond**	Almond**	Almond**

Includes 8 in skirt. Other colors available.*

Distribution Cable Count and Type

	144-Fiber Ribbon or Loose Tube Cable	216-Fiber Ribbon or Loose Tube Cable	288-Fiber Ribbon or Loose Tube Cable	432-Fiber Ribbon or Loose Tube Cable	576-Fiber Ribbon Cable
216-Fiber OptiTect™ Cabinet		One 216-fiber cable			
288-Fiber OptiTect Cabinet	Two 144-fiber cable		One 288-fiber cable		
432-Fiber OptiTect Cabinet		Two 216-fiber cable		One 432-fiber cable	
576-Fiber OptiTect Cabinet	Four 144-fiber cable		Two 288-fiber cable		One 576-fiber cable

CORNING
Discovering Beyond Imagination

OptiTect™ Advantage Local Convergence Cabinet

An Evolant® Solutions Product

Corning Cable Systems

Cabinet Ordering Information

Contact your Customer Service representative at 800-743-2675 for more options.

□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □

1 2 3 4 5 6 7 8 9 10 11 12 13 14

1 Select cabinet color.

L = Almond (standard)
M = Brown (special color – call for lead time)
N = Green (special color – call for lead time)
Note: Standard denotes a standard product offering with the shortest lead time.

2 Select cabinet size.

A = 432 fiber
L = 288 fiber
J = 216 fiber
E = 576 fiber

3 Select mounting.

P = Pole
A = Pad

4 Select feeder input type.

S = Splice
P = Preconnectorized (no splice tray)
H = High capacity splice drawer (for use with dual 1x8 splitters)
Note: Dual 1x8 configurations must select option "H." Connectorized feeder/splitter inputs are not available.

5 Select feeder fiber count.

1 = 12 fiber (216 cabinets only); loose tube only
2 = 24 fiber (216 or 288 cabinets only; standard on 216) loose tube or ribbon
4 = 48 fiber (standard for 288, 432 or 576 cabinet); loose tube or ribbon
7 = 72 fiber (dual 1x8 configurations); loose tube or ribbon
Note: Feeder fiber count should match or exceed maximum splitter capacity of 1x32, 1x16 or dual 1x8. See Specification Table on page 3.

6 Select feeder cable length.

16 = 16 m (50 ft)
31 = 31 m (100 ft) standard
Note: Standard denotes a standard product offering with the shortest lead time.

7 Select feeder cable type.

C4 = SST-Ribbon™ Dielectric Cable (standard)
W4 = ALTOS® Loose Tube Dielectic Cable (standard)
WC = ALTOS Loose Tube Single-jacket Single-Armored Cable

8 Select number of distribution cables.

1 = One cable (standard)
2 = Two cables (pairs of 144, 216 or 288 only)
4 = Four cables (144 only)
A = One cable pointing down (pole-mount only)
B = Two cables pointing down (pole-mount only)
Note: Call for lead times. Standard pole-mountable cables point upward. See table on page 3. Standard denotes a standard product offering with the shortest lead time.

9 Select fiber count of distribution cables.

A = 432 fiber
C = 144 fiber
D = 216 fiber
E = 288 fiber
N = 576 fiber
Note: See table on page 3 and option 8 above for available configurations.

10 Select distribution cable length.

16 = 16 m (50 ft)
31 = 31 m (100 ft) standard
Note: Standard denotes a standard product offering with the shortest lead time.

11 Select distribution cable type.

C4 = SST-Ribbon Dielectic Cable (standard for 216 cabinets only)
W4 = ALTOS Loose Tube Dielectic Cable (standard for 216, 288 or 432 cabinets only)
Q4 = ALTOS Ribbon Dielectric Cable (standard for 288, 432 or 576 cabinets only)
WC = ALTOS Loose Tube Single-jacket Single-Armored Cable
Note: Refer to chart on previous page for available cable options by cabinet size.

12 Select connector type.

S = SC APC (standard)
U = SC UPC
Note: Standard denotes a standard product offering with the shortest lead time.

13 Select splitter module quantity.

0 = None (standard)
1 = One
2 = Two
3 = Three (432 and 576 cabinets only)
4 = Four (432 and 576 cabinets only)

14 Select module type.

0 = No module (standard)
A = 1x32
B = 1x16
Note: Standard denotes a standard product offering with the shortest lead time. For dual 1x8, 2x16, 2x32, or premium performance please order modules separately. See page 5 for ordering details.

CORNING
Discovering Beyond Imagination

Coupler/Splitter Module Specifications

Standard Performance Devices

	Wavelength Range	Typical IL*	Max IL*	Uniformity*	Return Loss	Directivity	PDL
1x16 Coupler/Splitter Modules	1260-1260 and 1480-1580 nm	12.90	14.00	1.20	≥ 55	≥ 55	0.20
Dual 1x8 Coupler/Splitter Modules	1260-1260 and 1480-1580 nm	9.90	10.75	1.00	≥ 55	≥ 55	0.20
1x32 Coupler/Splitter Modules	1260-1260 and 1480-1580 nm	16.60	17.50	1.50	≥ 55	≥ 55	0.20
2x16 Coupler/Splitter Modules	1260-1260 and 1480-1580 nm	13.30	14.60	2.40	≥ 55	≥ 55	0.30
2x32 Coupler/Splitter Modules	1260-1260 and 1480-1580 nm	17.00	18.00	2.50	≥ 55	≥ 55	0.30

Premium Performance Devices

1x32 Coupler/Splitter Modules	1260-1260 and 1480-1580 nm	16.60	17.10	1.30	≥ 55	≥ 55	0.20
2x32 Coupler/Splitter Modules	1260-1260 and 1480-1580 nm	16.80	17.50	2.50	≥ 55	≥ 55	0.30

***** *Note: Values provided do not include connectors.*

Coupler/Splitter Ordering Information

V □ □ 1 Z Z □ □ 3 □ □ 3 □ □ □ □
1 2 3 4 5

1 Select module type.
M = 1x16 or dual 1x8
D = 1x32 (standard)

2 Select performance grade.
S = Standard grade
P = Premium grade

3 Select input connector code.
5C = SC UPC
6C = SC APC (standard)
00 = No connector (spliced input)
Note: Dual 1x8 configurations must select "00."
Connectorized splitter inputs are not available.

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

5 Select coupler/splitter configuration.
1116 = 1x16 (standard)
1132 = 1x32 (standard)
2018 = Dual 1x8
1216 = 2x16
1232 = 2x32