

Features and Benefits

Supports 4,320 LC or 2,880 SC ports per cabinet

Saves space through increased port density

Available in front access, cabinet or open frame configuration

Allows for back-to-back frame configuration

Cassette design

Enables one platform for many application spaces e.g. central office, headend, FTTx, FTTCS and data centre

Increased jumper routing space

Supports standard 1.6 and 2.0 mm jumpers

Single jumper length for up to 17,280 ports

Simplify and reduces jumper inventory

The Centrix® System is a high-density fibre management system for Central Office, Head Ends, FTTx, Data Centre and others that provide a balance of very high density with innovative jumper routing.

Centrix supports up to 4,320 LC or 2,880 SC connector ports per 7ft / 2200mm frame and is offered in a Front Access Cabinet that allows back-to-back configurations or mounting against a wall. The cabinet design provides optimized routing paths for jumpers, reducing the risk of pileup or entanglement. When using single-fibre jumper for patching, Corning recommends the use of 4 m long 1.6 mm patch cords in a single cabinet or for groups of up to 4 cabinets.

The foundation of Centrix is a cassette that can be tailored to include a variety of optical devices (splitter, WDM, attenuators etc.) providing flexibility and functionality within a single frame without sacrificing density.

Each cassette contains fibre guiding elements, a splice section and holds up to 24 SC or 36 LC connector adapters. Easy port access is possible due to a sliding cassette with drop-down handle.

Housings can be ordered empty or pre-loaded with cassettes for on-frame splicing and are available as 1RU (holding 3 cassettes), 2RU (6 cassettes) and 4RU (12 cassettes).

Housing Size	1RU	2RU	4RU
Fibre Capacity - LC	108 F	216 F	432 F
Fibre Capacity - SC	72 F	144 F	288 F
Number of Cassettes	3	6	12



Centrix CTX-S1U Housing with 3 cassettes
| Photo CRR2731



Front Access Cabinet (without and with doors)
| Photos CRR2826, CRR2741

Cabinets

Ordering Information

CTX - FA - 0 9

1 2 3 4 5 6 7

1 Select cabinet configuration.

CAB- = Single Cabinet
CAB2 = Dual Cabinet (option „M“ in point 5)

2 Select frame height.

18 = 1800 mm
20 = 2000 mm
22 = 2200 mm

3 Select walls.

N = No side walls, no rear wall
S = With side walls, no rear wall
P = With side walls and rear wall

4 Select doors.

N = No doors
G = Doors with plexiglass window, with lock
M = Doors, full metal, with lock

5 Select patchcord management system / incoming cable

L = Patchcord management system on the left (feeder cable on the right side)
R = Patchcord management system on the right (feeder cable on the left side)
M = Patchcord management system in the middle (for dual cabinet only)

6 Select cabinet preinstallation.

A = Assembled cabinet
N = Non-assembled cabinet (flat pack)

7 Select bottom channel option.

B = Bottom channel preinstalled
N = No bottom channel (closed bottom area)

Ordering Information

Part Number Example

Part Number	Product Description
CTX-FA-CAB-22-9-SGLAB	Front Access Cabinet, 2200x900x300, preassembled, incl. side walls, glass door, with patchcord management at the left side, bottom channel
CTX-FA-CAB-22-9-SGLNB	Front Access Cabinet, 2200x900x300, non-assembled, incl. side walls, glass door, with patchcord management at the left side, bottom channel

Ordering Information

Accessories	
Part Number	Product Description
CAB-FA-KIT-18-09-RW	Rear wall kit for 1800x900 mm cabinet
CAB-FA-KIT-20-09-RW	Rear wall kit for 2000x900 mm cabinet
CAB-FA-KIT-22-09-RW	Rear wall kit for 2200x900 mm cabinet
CAB-FA-KIT-18-SW	Side walls for 1800 mm cabinet
CAB-FA-KIT-20-SW	Side walls for 2000 mm cabinet
CAB-FA-KIT-22-SW	Side walls for 2200 mm cabinet
CAB-FA-KIT-18-09-DR-G	Door kit (doors with plexiglass window, with lock) for 1800x900 mm cabinet
CAB-FA-KIT-20-09-DR-G	Door kit (doors with plexiglass window, with lock) for 2000x900 mm cabinet
CAB-FA-KIT-22-09-DR-G	Door kit (doors with plexiglass window, with lock) for 2200x900 mm cabinet
CAB-FA-KIT-18-09-DR-M	Door kit (doors, full metal, with lock) for 1800x900 mm cabinet
CAB-FA-KIT-20-09-DR-M	Door kit (doors, full metal, with lock) for 2000x900 mm cabinet
CAB-FA-KIT-22-09-DR-M	Door kit (doors, full metal, with lock) for 2200x900 mm cabinet
CAB-FA-KIT-09-ROOF	Roof kit for 900 mm wide cabinet
CAB-FA-KIT-09-BC	Bottom channel kit for 900 mm wide cabinet
CAB-FA-KIT-HUB	Kit with modular hubs, 4pcs
CAB-FA-KIT-JMP	Jumper management plates for 900 mm cabinet (for mounting modular hubs), 5pcs
CAB-FA-KIT-CBLP	Cable management plates (for fixing strain relief brackets), 5pcs
CAB-FA-KIT-STRN	Strain relief bracket, 5 pcs (each bracket for up to 6 x 16 mm or 4 x 23 mm cables or 3 x 12 mm ducts)
CAB-KIT-DUCT-STRN	Kit for strain relieving ducts, 3 pcs
CAB-KIT-PWR-SCKT	Power socket kit, 1 pc
CAB-FA-KIT-FLR	Kit for fixing cabinet to the floor (screws & accessories)
CAB-FA-KIT-WALL	Kit for fixing cabinet to the wall (screws & accessories)
CAB-FA-KIT-CONN	Kit for side-by-side and back-to-back cabinet connections
CAB-FA-WORKSHELF	Work shelf / splice table
CAB-KIT-GR	Grounding kit
CAB-DOC-PKT	Documentation Pocket A4
CTX-SERVICE-BKT	Centrix Service Bracket
CTX-KIT-RT-DH	Centrix, right hand jumper routing kit, 12pcs



Housings and Cassettes

Centrix® housings and cassettes are available in several configurations:

- Housings:**
- Empty
 - Loaded with pigtailed cassettes
- Cassettes:**
- Loaded with adapters and pigtails
 - Splice-only



Centrix 1RU, 2RU and 4RU Housings
| Photo CRR2723

Fiber Capacity					
Adapter Type	Terminations per Cassette	Terminations per Housing Size			Terminations per Frame
		1RU	2RU	4RU	
SC	12, 24	36, 72	72, 144	144, 288	up to 2880
LC	12, 24, 36	36, 72	72, 144, 216	144, 288, 432	up to 4320
LSH	12	36	72	144	1440

Housings with Cassettes, Adapters and Pigtails

Ordering Information

CX P - - 2 0 0 0

1 **2** **3** **4** **5** **6**

- 1** Select Centrix housing.
- 1 = 1U, 3 cassette positions
 - 2 = 2U, 6 cassette positions
 - 4 = 4U, 12 cassette positions

- 2** Select total fibre count.
- 36 = 36
 - 72 = 72
 - A8 = 108
 - E4 = 144
 - M6 = 216
 - U8 = 288
 - WW = 432

- 3** Select fibre count per cassette.
- 12 = 12 fibres (LC, SC or LSH)
 - 24 = 24 fibres (LC or SC)
 - 36 = 36 fibres (LC)

- 4** Select adapter code.
- 6C = SC APC
 - 3C = SC UPC
 - B3 = LC APC
 - A9 = LC UPC
 - P1 = LSH APC
 - P2 = LSH UPC
 - AD = LC Dup OM3/OM4

- 5** Defines fibre type.
- R = Single-mode (OS2)
 - T = OM3
 - Q = OM4

- 6** Select pigtail type.
- J = Ribbon
 - H = Single-fibre (900 µm)

Ordering Information

Part Number Example	
Part Number	Product Description
CX172P24-3C-2RH000	Centrix® Splice Housing 1U, 3 Cassettes each with 24 SC UPC adapters and Single-fibre (900 µm) pigtails, total of 72 fibres
CX2E4P24-B3-2RH000	Centrix® Splice Housing 2U, 6 Cassettes each with 24 LC APC adapters and Single-fibre (900 µm) pigtails, total of 144 fibres
CX4U8P24-A9-2RH000	Centrix® Splice Housing 4U, 12 Cassettes each with 24 LC UPC adapters and Single-fibre (900 µm) pigtails, total of 288 fibres



Empty Housings, Rack Mounting



Centrix S1U Housing |
Photo CRR2730



Centrix S2U Housing |
Photo CRR2732



Centrix S4U Housing |
Photo CRR2734

Ordering Information

CTX -

1

- 1
- Defines Centrix rack housings.
S1U = 1RU, 3 cassettes housings, empty
S2U = 2RU, 6 cassettes housings, empty
S4U = 4RU, 12 cassettes housings, empty

Ordering Information

Part Number Example	
Part Number	Product Description
CTX-S1U	Centrix® Housing, 1RU, 3 Cassette Positions Empty
CTX-S2U	Centrix® Housing, 2RU, 6 Cassette Positions Empty
CTX-S4U	Centrix® Housing, 4RU, 12 Cassette Positions Empty

Cassettes with Adapters and Pigtails

Ordering Information

CTX C P P - - 2 0 0 0

1
2
3
4

1 Select fibre count per cassette.

12 = 12 fibres (LC, SC or LSH)
 24 = 24 fibres (LC or SC)
 36 = 36 fibres (LC)

2 Select adapter code.

6C = SC APC
 3C = SC UPC
 B3 = LC APC
 A9 = LC UPC
 P1 = LSH APC
 P2 = LSH UPC
 AD = LC Dup OM3/OM4

3 Defines fibre type.

R = Single-mode (OS2)
 T = OM3
 Q = OM4

4 Select pigtail type.

J = Ribbon
 H = Single-fibre (900 µm)



Cassettes with Splitters



Ordering Information

CTX CMA 00 - - SP 1

12

- 1
- Select adapter code.
6C = SC APC (only available as a 1x16 split)
B3 = LC APC (available as a 1x32 or 1x16 split)

- 2
- Select split ratio.
116 = 1x16
132 = 1x32

Ordering Information

Part Number Example	
Part Number	Product Description
CTXCMA00-B3-SP1132	Centrix® Splitter Cassette, one 1x32 Splitter, LC APC connectors
CTXCMA00-B3-SP1116	Centrix® Splitter cassette, one 1x16 Splitter, LC APC connectors
CTXCMA00-6C-SP1116	Centrix® Splitter cassette, one 1x16 Splitter, SC APC connectors

Cassettes with WDM

Ordering Information

Part Number Example

Part Number	Product Description
CTX6C08BJYZZUN	Centrix WDM Cassette, 8 channel Mux or DeMux, 1470-1610 with 1310 port, SC APC
CTXB308BJYZZUN	Centrix WDM Cassette, 8 channel Mux or DeMux, 1470-1610 with 1310 port, LC APC
CTX3C08BJYZZUN	Centrix WDM Cassette, 8 channel Mux or DeMux, 1470-1610 with 1310 port, SC UPC
CTXA908BJYZZUN	Centrix WDM Cassette, 8 channel Mux or DeMux, 1470-1610 with 1310 port, LC UPC

Ordering Information

Reference Single Frame Cross-Connect Jumper Part Numbers

Part Number	Product Description
444401R3Z16004M	Jumper, Single-mode Ultra, SC APC to SC APC, 4 m long, 1.6 mm outer diameter
585801R3Z16004M	Jumper, Single-mode Ultra, SC UPC to SC UPC, 4 m long, 1.6 mm outer diameter
222201R3Z16004M	Jumper, Single-mode Ultra, LC APC to LC APC, 4 m long, 1.6 mm outer diameter
020201R3Z16004M	Jumper, Single-mode Ultra, LC UPC to LC UPC, 4 m long, 1.6 mm outer diameter
224401R3Z16004M	Jumper, Single-mode Ultra, LC APC to SC APC, 4 m long, 1.6 mm outer diameter
191901R3Z16004M	Jumper, Single-mode, LSH APC to LSH APC, 4 m long, 1.6 mm outer diameter
202001R3Z16004M	Jumper, Single-mode, LSH UPC to LSH UPC, 4 m long, 1.6 mm outer diameter
030301T2Z80004M	Jumper, Multi-mode, LC to LC, OM3, 4 m long, 2.0 mm outer diameter
030301Q2Z80004M	Jumper, Multi-mode, LC to LC, OM4, 4 m long, 2.0 mm outer diameter

Corning recommends 1.6 mm jumpers for use in the Centrix solution. Full size Centrix frames support 2,880 to 4,320 jumpers predicated on the connector selection. Other configurations are available, please consult your customer service representative or sales manager for more information.

Resources

Standard Recommended Procedures (SRPs)

Centrix Front Access Cabinet	S46998-A0005-P945
Centrix side walls	S46998-A0005-P947
Centrix doors	S46998-A0005-P946
Centrix housing with cassettes and pigtails	003-949
Centrix splitter/WDM cassettes	003-959

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