

Centrix™ Platform

CORNING

Features and Benefits

Supports 4,320 LC or 2,880 SC ports per frame
Saves space through increased port density

Available in rear cable access

Designed in compliance with GR-449-CORE, Issue 3 standards

Modular cassette design

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

Increased jumper routing space

Supports standard 1.6 and 2.0 mm jumpers

Available in front cable access

Allows for back-to-back frame configuration

The Centrix™ platform is a high-density fiber management system that provides a balance of industry-leading density with innovative jumper routing. The system can be deployed in multiple applications including: central office, headend, FTTx, FTTCS and data center.

Centrix platform supports up to 4,320 LC or 2,880 SC connector ports per standard 7-ft frame/2200 mm. The frame design provides optimized routing paths for jumpers, reducing the risk of pileup or entanglement. A single jumper length for an in-frame, cross-connect network design reduces jumper inventory.

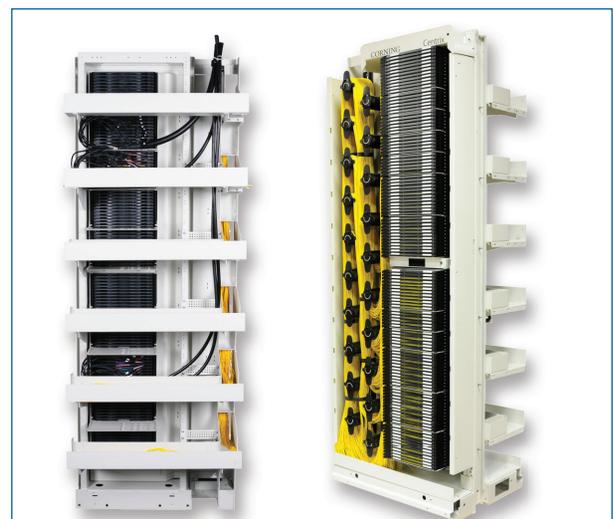
At the foundation of the Centrix platform is a single, modular cassette that can be tailored to include a variety of optical devices (splitter, WDM, etc). The modular cassette provides flexibility and functionality within a single frame without sacrificing density. Each cassette contains up to either 24 SC or 36 LC connector adapters. Easy port access is possible due to a sliding cassette with drop-down handle. A 1RU housing will hold 3 cassettes, a 2RU housing will hold 6 cassettes and a 4RU will hold 12 cassettes. Housings can be ordered empty, loaded with cassettes for on-frame splicing or as stubbed assemblies to reduce installation time and risk.

The Centrix platform is available with both rear or front cable access. Front cable access allows back-to-back frame configurations or mounting against a wall. Both frame configurations save space through increased port density.

Housing Size	1RU	2RU	4RU
Max. Density - LC	108 F	216 F	432 F
Max. Density - SC	72 F	144 F	288 F
Cassette Capacity	3	6	12



Centrix CTX-S1U Housing with 3 cassettes
| Photo CRR2731



Centrix Frame
| Photos CRR1870, CRR2794

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Centrix CTX-S1U Housing with 3 cassettes |
Photo CRR2731



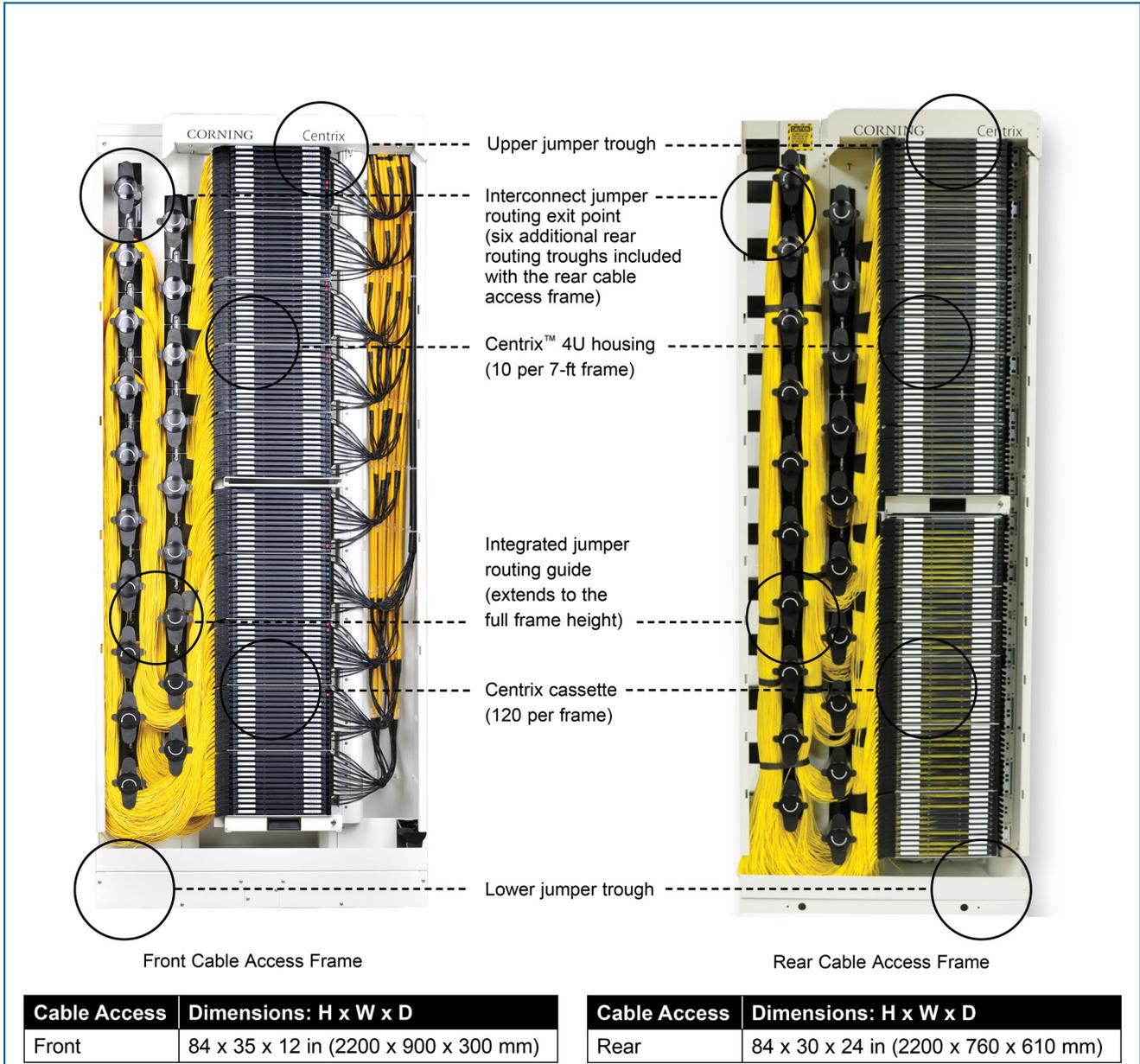
Centrix CTX-S2U Housing with 6 cassettes |
Photo CRR2733



Centrix CTX-S4U Housing with 12 cassettes | Photo CRR2735

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Centrix Frame, Rear and Front Cable Access
 | Photos CRR1844, CRR2793

Frames, Housings and Cassettes

Centrix™ housings and cassettes are available in several configurations:

Frames:

- Rear Cable Access
- Front Cable Access

Housings:

- Empty
- Loaded with pigtailed cassettes
- Stubbed

Cassettes:

- Loaded with WDM's
- Loaded with adapters and pigtails
- Loaded with splitters
- Stubbed
- Loaded with MTP 12 fiber connectors



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	1440 to 2880
LC	24, 36	72, 108	144, 216	288, 432	1440 to 4320



Frames

Ordering Information

CTX - - FRAME - 7
1

- 1** Select frame options.
 - SA = Centrix™ standard frame, rear cable access, 7 ft
 - FA = Centrix frame, front cable access, 7 ft

Frame Isolation Pads

Ordering Information

CTX - PK -
1

- 1** Select frame isolation pads.
 - SA = Centrix™ standard frame isolation pad, rear cable access
 - FA = Centrix frame isolation pad, front cable access

Ordering Information

Part Number Example	
Part Number	Product Description
CTX-SA-FRAME-7	Centrix™ Standard Rear Cable Access Frame, 7 ft
CTX-SA-FRAME-6	Centrix™ Rear Cable Access Frame, 6 ft (70 inches high)
CTX-FA-FRAME-7	Centrix™ Front Cable Access Frame, 7 ft



Empty Housings, Rack Mounting



Ordering Information



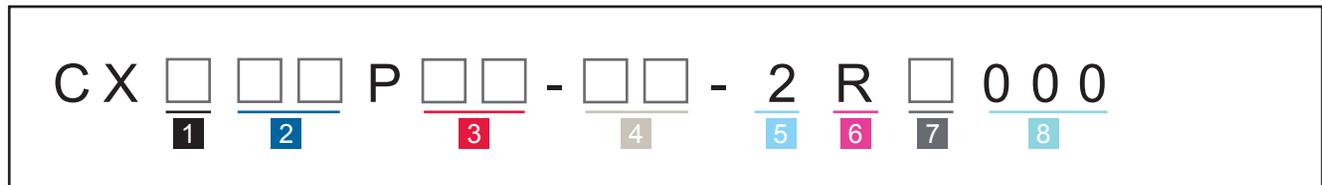
- 1** Defines Centrix™ rack housings.
- S1U = 1RU, 3 cassettes housings, empty
- S2U = 2RU, 6 cassettes housings, empty
- S4U = 4RU, 12 cassettes housings, empty

Ordering Information

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

Housings with Cassettes, Adapters and Pigtails for Splicing

Ordering Information



1 Defines Centrix™ housing.
 1 = 1U, 3 cassette positions
 2 = 2U, 6 cassette positions
 4 = 4U, 12 cassette positions

2 Select total fiber count.
Specify fiber count per table based on housing size.

Housing - Fiber count 1RU
 36 = 36, 12-fiber cassette
 72 = 72, 24-fiber cassette
 A8 = 108, 36-fiber cassette

Housing - Fiber count 2RU
 72 = 72, 12-fiber cassette
 E4 = 144, 24-fiber cassette
 M6 = 216, 36-fiber cassette

Housing - Fiber count 4RU
 E4 = 144, 12-fiber cassette
 U8 = 288, 24-fiber cassette
 WW = 432, 36-fiber cassette

3 Select fiber count per cassette.
 12 = 12 fibers
 24 = 24 fibers (LC or SC)
 36 = 36 fibers (LC)

4 Select adapter code.
 6C = SC APC
 3C = SC UPC
 B3 = LC APC
 A9 = LC UPC

5 Defines pigtail length.
 2 = Standard pigtail

6 Defines pigtail type.
 R = Ribbon

7 Select pigtail type.
 J = Ribbon
 H = Single-fiber

8 Defines Centrix Splice Housing.
 000 = Standard

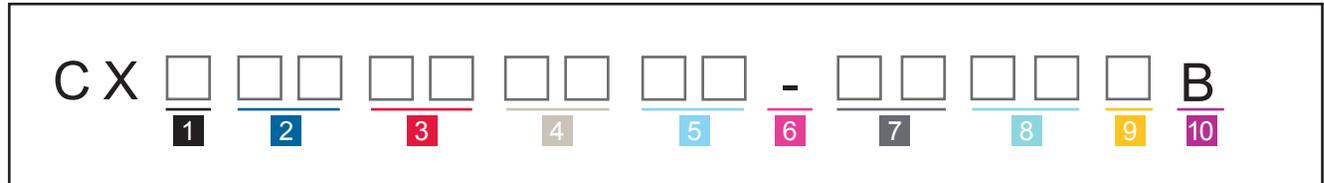
Not all part number configurations are available, please confirm availability with a Corning Optical Connectivity Customer Care representative.

Ordering Information

Part Number Example	
Part Number	Product Description
CX4U8P24-3C-2RJ000	Centrix™ Splice Housing, 4U, 12 Cassettes each with 24 SC-UPC adapters & SM Pigtails, Ribbon standard SM Pigtails, total of 288 F
CX4WWP36-A9-2RJ000	Centrix™ Splice Housing, 4U, 12 Cassettes each with 36 LC-UPC adapters & SM Pigtails, Ribbon standard SM Pigtails, total of 432 F
CX172P24-3C-2RH000	Centrix™ Splice Housing, 1U, 3 Cassettes each with 24 SC-UPC adapters & SM pigtails, MIC® 900µm standard SM pigtails, total of 72 F

Stubbed Housings

Ordering Information



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

2 Select total fiber count.
Specify fiber count per table based on housing size.
Housing - Fiber count 1RU
 36 = 36, 12-fiber cassette
 72 = 72, 24-fiber cassette
Housing - Fiber count 2RU
 72 = 72, 12-fiber cassette
 E4 = 144, 24-fiber cassette
 M6 = 216, 36-fiber cassette
Housing - Fiber count 4RU
 E4 = 144, 12-fiber cassette
 U8 = 288, 24-fiber cassette
 WW = 432, 36-fiber cassette

3 Select stub length.
 16 = 16 m (50 ft)
 31 = 31 m (100 ft)
 61 = 61 m (200 ft)
 92 = 92 m (300 ft)

4 Select fiber count per cassette.
 12 = 12 fibers
 24 = 24 fibers (LC or SC)
 36 = 36 fibers (LC)

5 Select adapter code.
 6C = SC APC
 3C = SC UPC
 B3 = LC APC
 A9 = LC UPC

6 Defines fiber type.
 - = Single-mode (OS2)

7 Select cable type.
 C7 = Ribbon riser, indoor, 12 F ribbons, single tube, water-swallowable, 216 F
 U4 = ALTOS dielectric, Fast Access®, loose tube outdoor, gel-free up to 288 F
 UF = FREEDM loose tube indoor/outdoor riser gel-free up to 288 F
 M4 = MiniXtend loose tube gel-filled to 144 F
 81 = Unitized MIC riser cable, buffered up to 144 F
 Q4 = ALTOS outdoor ribbon dielectric, gel-free, 288 to 432 F
 QF = FREEDM loose tube indoor/outdoor ribbon gel-filled, water-swallowable tape, 288 to 432 F

8 Select special configurations.
 00 = Standard
 D3 = MIC plenum, single-armored to 144 F

9 Select the number of cables.
 1 = One cable (standard)
 2 = Two cables with full fiber count divided evenly

10 Select cable entry direction.
 B = Right, when viewed from the rear (standard)
 F = Right, when viewed from the front (only an option for a front access frames)

Not all part number configurations are available, please confirm availability with a Corning Optical Connectivity Customer Care representative.

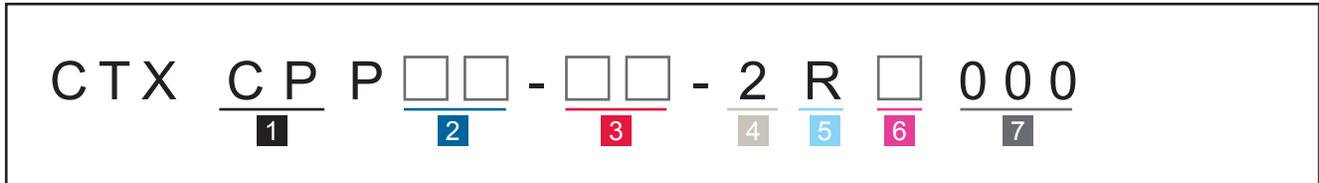
Ordering Information

Part Number Example	
Part Number	Product Description
CX4U831243C-UF001B	Centrix™ Stubbed 4U Housing, 24 port SC UPC cassettes, SM, FREEDM® LT indoor/outdoor gel-free cable, 31 m stub
CX4U831246C-UF001B	Centrix™ Stubbed 4U Housing, 24 port SC APC cassettes, SM, FREEDM® LT indoor/outdoor gel-free cable, 31 m stub
CX4WW1636B3-QF001B	Centrix™ Stubbed 4U Housing, 36 port LC APC cassettes, SM, FREEDM® LT ribbon gel-free indoor/outdoor cable, 16 m stub
CX4WW3136A9-QF001B	Centrix™ Stubbed 4U Housing, 36 port LC UPC cassettes, SM, FREEDM® LT ribbon gel-free indoor/outdoor cable, 31 m stub



Pigtail Cassettes

Ordering Information



1 Defines cassette type.
 CP = Centrix cassette with adapters and pigtails

2 Select fiber count per cassette.
 12 = 12 fibers
 24 = 24 fibers (LC or SC)
 36 = 36 fibers (LC)

3 Select adapter code.
 6C = SC APC
 3C = SC UPC
 B3 = LC APC
 A9 = LC UPC

4 Defines pigtail type.
 2 = Standard pigtails

5 Defines fiber type.
 R = Single-mode (OS2)

6 Select pigtail type.
 J = Ribbon
 H = Single Fiber

7 Defines optical devices.
 000 = No optical devices

Not all part number configurations are available, please confirm availability with a Corning Optical Connectivity Customer Care representative.

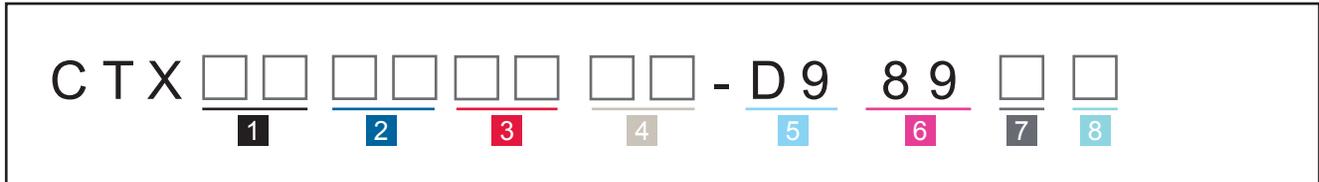
Ordering Information

Centrix MTP® Cassettes	
Part Number	Product Description
CTXCPP24-6C-2RH000	Centrix™ Splice Cassette with 24 SC-APC adapters & SM Pigtails, MIC 900um standard SM Pigtails
CTXCPP24-3C-2RJ000	Centrix™ Splice Cassette with 24 SC-UPC adapters & SM Pigtails, Ribbon standard SM Pigtails
CTXCPP36-A9-2RJ000	Centrix™ Splice Cassette with 36 LC-UPC adapters & SM Pigtails, Ribbon standard SM Pigtails
CTXCPP36-B3-2RJ000	Centrix™ Splice Cassette with 36 LC-APC adapters & SM Pigtails, Ribbon standard SM Pigtails



Stubbed cassettes with MTP Connector Option

Ordering Information



1 Select fiber count.
 12 = 12 fibers
 24 = 24 fibers
 36 = 36 fibers

2 Select stub length.
 02 = For MTP pretermination
 16 = 16 m (50 ft)
 31 = 31 m (100 ft)

3 Select fiber count per cassette.
 12 = 12 fibers
 24 = 24 fibers (LC or SC)
 36 = 36 fibers (LC)

4 Select adapter code.
 6C = SC APC
 3C = SC UPC
 B3 = LC APC
 A9 = LC UPC

5 Defines cable type.
 D9 = Single-mode,
 12 cable assembly

6 Defines preterminated connector type.
 89 = MTP pinned (MTP standard)

7 Select stub quantity.
 1 = One cable stub
 2 = Two cable stubs
 3 = Three cable stubs

8 Select cable stub access.
 B = Rear access frame
 F = Front access frame

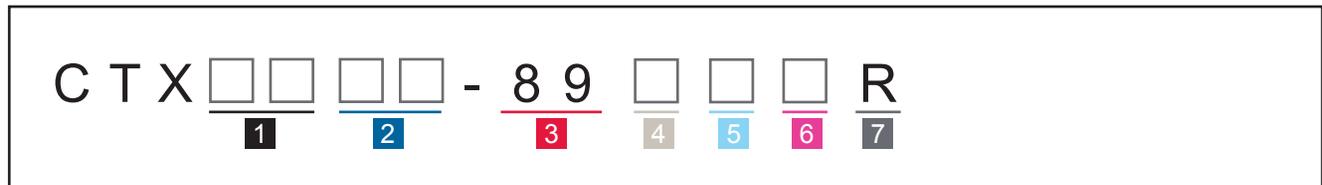
Not all part number configurations are available, please confirm availability with a Corning Optical Connectivity Customer Care representative.

Ordering Information

Part Number Example	
Part Number	Product Description
CTX2402246C-D9892B	Centrix™ Stubbed Cassette 24 SC APC to 2 MTP, SM, 12 fiber cable assembly, 2 m
CTX360236A9-D9893B	Centrix™ Cassette, 36 Fiber, LC UPC, MTP® Adapters Rear Cable Access

Module with Integrated MTP Connector Option

Ordering Information



- 1** Select fiber count.
24 = 24 fibers (LC or SC)
36 = 36 fibers (LC)
- 2** Select adapter code.
Single-mode:
6C = SC APC
3C = SC UPC
B3 = LC APC
A9 = LC UPC
Multimode:
AD = LC duplex
- 3** Defines perterminated MTP type.
89 = Pinned (standard)
- 4** Select MTP quantity.
2 = Two for 24 fiber cassettes
3 = Three for 36 fiber cassettes
- 5** Select fiber type.
R = Single-mode (OS2)
T = 50 μm multimode (OM3)
Q = 50 μm multimode (OM4)
- 6** Select MTP access type.
Rear Access:
B = Rear access frame
Front Access:
L = Left MTP adapters
R = Right MTP adapters
- 7** Defines polarity.
R = Classic

Not all part number configurations are available, please confirm availability with a Corning Optical Connectivity Customer Care representative.

Ordering Information

Part Number Example	
Part Number	Product Description
CTX246C-892RBR	CTX Module, 24 port. SC-APC front facings, Pinned, 2 MPO Adapters, SM, Rear facing MPO adapters, Classic polarity
CTX36A9-893RBR	CTX Module, 364 port. LC-UPC front facings, Pinned, 3 MPO Adapters, SM, Rear facing MPO adapters, Classic polarity
CTX24B3-892RBR	CTX Module, 24 port. LC-APC front facings, Pinned, 2 MPO Adapters, SM, Rear facing MPO adapters, Classic polarity
CTX24A9-892RRR	CTX Module, 24 port. LC-UPC front facings, Pinned, 2 MPO Adapters, SM, Right side front facing MPO adapters, Classic polarity

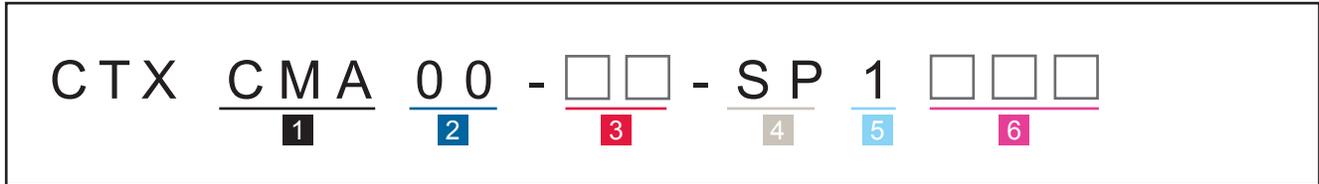


Splitter Cassettes



Centrix Splitter Cassette
| Photo CRR2661

Ordering Information



1 Defines cassette type, adapters with splitter devices.
CMA = Centrix cassette with splitter devices

2 Defines reference (future place holder).
00 = Reference place holder

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

4 Defines device type.
SP = Splitter

5 Defines number of devices.
1 = One

6 Select split ratio.
116 = 1x16
132 = 1x32

Not all part number configurations are available, please confirm availability with a Corning Optical Connectivity Care representative.

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

WDM Cassette

Part Number Example

Part Number	Product Description
CTX6C08BJZZUN	Centrix™ WDM Cassette, 8 channel Mux or DeMux, 1470-1610 with 1310 port, SC APC
CTXB308BJZZUN	Centrix™ WDM Cassette, 8 channel Mux or DeMux, 1470-1610 with 1310 port, LC APC
CTX3C08BJZZUN	Centrix™ WDM Cassette, 8 channel Mux or DeMux, 1470-1610 with 1310 port, SC UPC
CTXA908BJZZUN	Centrix™ WDM Cassette, 8 channel Mux or DeMux, 1470-1610 with 1310 port, LC UPC

Reference Standard Single Frame Cross-Connect Jumper Part Numbers

Part Number	Description
444401R3116005M	Jumper, Single-mode, SC APC to SC APC, 5 m long, 1.6 mm outer diameter
585801R3116005M	Jumper, Single-mode, SC UPC to SC UPC, 5 m long, 1.6 mm outer diameter
222201R3116005M	Jumper, Single-mode, LC APC to LC APC, 5 m long, 1.6 mm outer diameter
020201R3116005M	Jumper, Single-mode, LC UPC to LC UPC, 5 m long, 1.6 mm outer diameter
224401R3116005M	Jumper, Single-mode, LC APC to SC APC, 5 m long, 1.6 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)	Rear Cable Access	Front Cable Access
Centrix™ Frame Installation	003-950	003-950
Centrix Empty Housing Installation	003-948	003-948
Centrix Stubbed Housing Installation	003-951	–
Centrix Pigtailed Housing and Cassette Installation	003-949	003-949
Jumper Routing in Centrix Frame	003-960	003-960
Centrix Splitter/WDM Cassettes	003-959	003-959
Centrix Accessories	003-961	003-961
Centrix MTP Stubbed Cassette Installation	003-1006	–
Centrix Platform Housing and MTP Module Installation	003-1011	–

Centrix Accessories and Kits	
Part Number	Description
CTX-KIT-RT-DH	Centrix cassette kit for right hand jumper routing (12 per package)
CTX-KIT-SR-SA-UCC	Centrix housing cable strain-relief kit with UCC clamp for rear cable access applications
CTX-KIT-SR-FA-UCC	Centrix housing cable strain-relief kit with UCC clamp for front cable access applications
CTX-KIT-S1U-23	Centrix kit for 23 in rack mounting for 1RU housing
CTX-KIT-S2U-23	Centrix kit for 23 in rack mounting for 2RU and 4RU housings
Optional Accessories	
Part Number	Description
CTX-WORKSHELF	Centrix frame mounted workshelf
CTX-SERVICEBKT	Centrix cassette service bracket
Centrix Mounting Kits into the OCC Cabinets	
Part Number	Description
CTX-KIT-S4U-OCC	Centrix mounting kit for S4U mounting within an OCC cabinet
CTX-KIT-JRG-OCC	Centrix jumper routing guide for use in OCC cabinets
CTX-KIT-CTR80-OCC	Centrix mounting kit for center channel within an OCC-080 cabinet only

Centrix™ Platform

The CORNING logo is a blue square with the word "CORNING" in white, uppercase, serif font centered inside.

Notes

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