

Optical Cross-Connect Family

CORNING

Features and Benefits

Modular design for incremental growth

Accepts Corning standard 19- or 23-in rack-mountable hardware for flexibility

Cabinet and door construction from 0.125-in aluminum alloy for light weight and durability

Doors automatically secure in open position for field safety

Pad-mountable version allows for increased cable storage with the addition of buried and above-ground extension accessories

Front and rear access panels (rear on G models only) offer 216B tool security

Full-size front doors provide easy access and tight sealing

NEMA rated to Type 3, Type 3R, Type 3S and Type 4

Corning optical cross-connects (OCCs) are versatile, fully enclosed cabinets designed for fiber optic rack-mountable hardware.

All products in this family offer modular design for incremental growth and are ideal as outdoor protected environments for cross-connect installations. Compatible with Corning rack-mountable hardware, these cabinets can accommodate many combinations of connector, splice and coupler housings. This modular system makes it possible to create fiber optic configurations for outdoor applications.

All OCC cabinets accept Eclipse®, FDC® and LDC connector module housing units for installations using field connectorization or factory-stubbed housings. Stubbed housings with outdoor cable are available and can be spliced into the network using one of the many Corning splice closures. Furcation kits for field installation of connectors in an outdoor environment are also available to protect the fibers. In addition, splice housings can be used for pigtail splicing inside the cabinet.

The pad-mountable version (-G) requires the PAD-OCC-01 for the 31-G and 51-G or the PAD-OCC-02 for the 80-G. The pad-mountable frame aids in construction of the pad and installation of cables. The galvanized steel frame provides a properly sized opening in the pad for cable entry and contains threaded inserts for accurately mounting the cabinet during installation.



OCC-080-G (open)
| Photo CAPSS16

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OCC-080-G

Features and Benefits

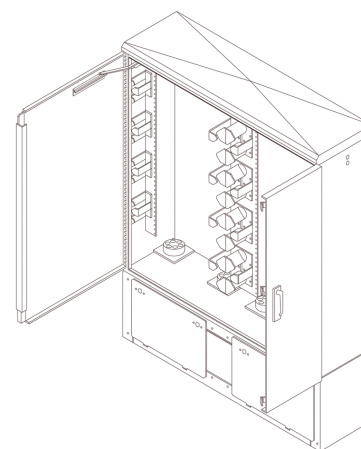
Two equipment racks, each 40-in tall, separated by an inter-bay jumper storage spacer
Facilitates fiber management

Designed to fully enclose up to 80 in of rack-mountable hardware EIA 44U

Accepts up to ten 4RU housings or eight 5RU housings

24 sealed cable entry points in standard bottom

Accommodates expressed or cut cables



OCC-080-G
| Drawing ZA-1070

Ordering Information

Basic Unit

Part Number	Description	Weight	Dimensions (HxWxD)	Installation Instructions
OCC-080-G	Pad-mountable version†	83.9 kg (185 lb)	157.5 cm x 152.4 cm x 41.9 cm (62 in x 60 in x 16.5 in)	003-401

Note: Order housings for connectors, couplers and splices separately.

†See optional hardware for pad-mountable frame.

Optional Hardware OCC-080-G (ground unit only)

Part Number	Description	Installation Instructions
PAD-OCC-02	Pad-Mount Frame, 6 in buried	003-395
PAD-OCC-CSS-02	Pad-Mount Frame with cable storage area, 18-in buried	003-463
PAD-OCC-EXT-02	Base Extension; 12 in above ground, no door	209-207
OCC-PORT-KIT	Bottom Entry Panel equipped with six water-tight cable ports	003-375

Notes

1) Standard bottom supplied with all OCCs allows six cable positions (cut or uncut) to be placed into a foam support and encapsulated. Strain-relief is done at the housing. If liquid-tight compression fittings (for cut fibers only, cable range 0.2 to 0.82 in) are preferred, order the OCC-PORT-KIT.

2) If liquid-tight compression fittings (for cut fibers only, cable range 0.2 to 0.82 in) are preferred, order the OCC-PORT-KIT.

3) When using the OCC-PORT-KIT, remove the standard bottom and replace with the OCC-PORT-KIT bottom (OCC-080-G may use the standard and one OCC-PORT-KIT or two OCC-PORT-KITs). For other cable sizes, please see OSE-CBL-XX kits.

4) Strain-relief may be done at the entry point or at the housing.

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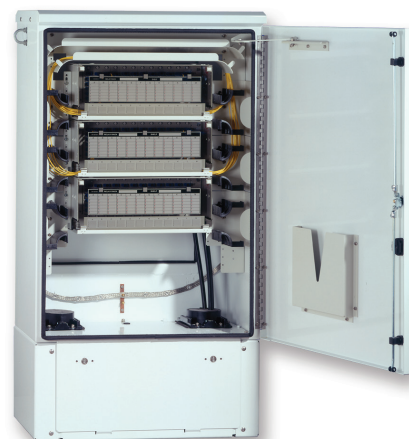
OCC-031/OCC-031-G

Features and Benefits

12 sealed cable entry points in standard bottom
Accommodates expressed or cut cables

Includes jumper trough and six routing guides for fiber management
Facilitates fiber management

Designed to fully enclose up to 31 in of rack-mountable hardware EIA 17U
Accepts up to three 4RU housings



OCC-031-G (open), Shown with LDC-CMH-072 Housings
| Photo ICH102

Ordering Information

Basic Unit				
Part Number	Description	Weight	Dimensions (HxWxD)	Installation Instructions
OCC-031	Wall-, pole- and T-slot mountable version*	36.3 kg (80 lb)	102.9 cm x 72.4 cm x 41.9 cm (40.5 in x 28.5 in x 16.5 in)	003-375
OCC-031-G	Pad-mountable version†	38.6 kg (85 lb)	133.4 cm x 72.4 cm x 41.9 cm (52.5 in x 28.5 in x 16.5 in)	003-375

Note: Order housings for connectors, couplers and splices separately.

*See optional hardware for pole-mountable and T-slot mounting hardware.

†See optional hardware for pad-mountable frame.

Optional Hardware for OCC-031 (-G Ground Unit)		
Part Number	Description	Installation Instructions
OCC-PORT-KIT	Bottom Entry Panel equipped with six water-tight cable ports	003-375
CEN-BK2	-	003-375
OSE-A288-TSLT-KIT	-	033-648

Notes:

1) Standard bottom supplied with all OCCs allows six cable positions (cut or uncut) to be placed into a foam support and encapsulated. Strain-relief is done at the housing. If liquid-tight compression fittings (for cut fibers only, cable range 0.2 to 0.82 in) are preferred, order the OCC-PORT-KIT.

2) When using the OCC-PORT-KIT, remove the standard bottom and replace with the OCC-PORT-KIT bottom.

3) For other cable sizes, please see OSE-CBL-XX kits. Strain-relief may be done at the entry point or at the housing.

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The CORNING logo is displayed in white, uppercase letters within a solid blue square.

Optional Hardware for OCC-031 (-G Ground Unit)

Part Number	Description	Installation Instructions
PAD-OCC-01	-	003-384
PAD-OCC-CSS-01	Pad-Mount Frame with cable storage area, 18-in buried	003-462
PAD-OCC-EXT-01	-	209-207

Notes:

- 1) Standard bottom supplied with all OCCs allows six cable positions (cut or uncut) to be placed into a foam support and encapsulated. Strain-relief is done at the housing. If liquid-tight compression fittings (for cut fibers only, cable range 0.2 to 0.82 in) are preferred, order the OCC-PORT-KIT.
- 2) When using the OCC-PORT-KIT, remove the standard bottom and replace with the OCC-PORT-KIT bottom.
- 3) For other cable sizes, please see OSE-CBL-XX kits. Strain-relief may be done at the entry point or at the housing.

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OCC-051/OCC-051-G

Features and Benefits

12 sealed cable entry points in standard bottom
Accommodates expressed or cut cables

Includes two jumper troughs and 12 routing guides for fiber management
Facilitates fiber management

Designed to fully enclose up to six LDCs in 51 in space of rack-mountable hardware EIA 29U
Accepts up to six 4RU housings



OCC-051 (open) Shown with LDC-CMH-072 Housings
| Photo HWPSS1619

Ordering Information

Basic Unit				
Part Number	Description	Weight	Dimensions (HxWxD)	Installation Instructions
OCC-031	Wall-, pole- and T-slot mountable version*	36.3 kg (80 lb)	102.9 cm x 72.4 cm x 41.9 cm (40.5 in x 28.5 in x 16.5 in)	003-375
OCC-051	Wall-, pole- and T-slot mountable version*	45.4 kg (100 lb)	153.7 cm x 72.4 cm x 41.9 cm (60.5 in x 28.5 in x 16.5 in)	003-375
OCC-051-G	Pad-mountable version†	47.6 kg (105 lb)	184.2 cm x 72.4 cm x 41.9 cm (72.5 in x 28.5 in x 16.5 in)	003-375

Note: Order housings for connectors, couplers and splices separately.

**See optional hardware for pole-mountable and T-slot mounting hardware.*

†See optional hardware for pad-mountable frame.

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Optical Cross-Connect Family

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Optional Hardware for OCC-051 (-G Ground Unit)

Part Number	Description	Installation Instructions
OCC-PORT-KIT	Bottom Entry Panel equipped with six water-tight cable ports	003-375
CEN-BK2	-	003-375
OSE-A288-TSLT-KIT	-	033-648
PAD-OCC-01	-	003-384
PAD-OCC-CSS-01	Pad-Mount Frame with cable storage area, 18-in buried	003-462
PAD-OCC-EXT-01	-	209-207

Notes

- 1) Standard bottom supplied with all OCCs allows six cable positions (cut or uncut) to be placed into a foam support and encapsulated. Strain-relief is done at the housing. If liquid-tight compression fittings (for cut fibers only, cable range 0.2 to 0.82 in) are preferred, order the OCC-PORT-KIT.
- 2) When using the OCC-PORT-KIT, remove the standard bottom and replace with the OCC-PORT-KIT bottom.
- 3) For other cable sizes, please see OSE-CBL-XX kits. Strain-relief may be done at the entry point or at the housing.

OCC Cabinet Housing Capacity

Part Number	4U Housing	5U Housing
OCC-031	-	-
OCC-051	-	-
OCC-080	-	-

Note: Maximum depth of any 4U or 5U housing to be placed into the OCC cabinet cannot exceed 15.5"

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Housings

Corning offers space-saving high-density coupler shelves that can be mounted in a single rack space within the OCC.

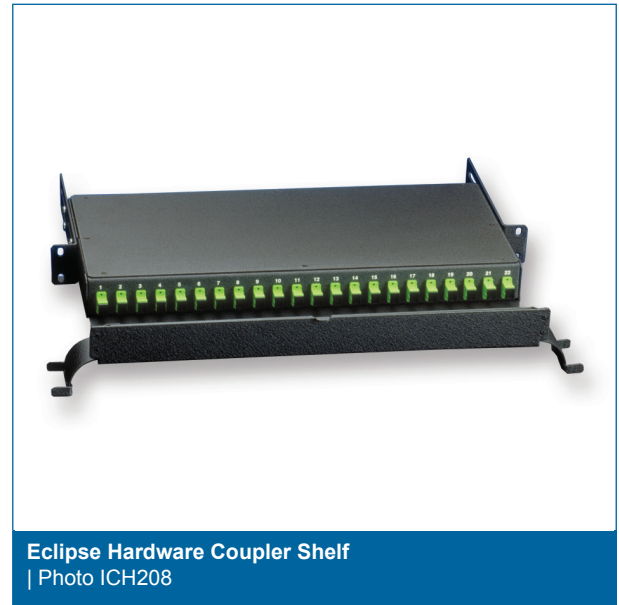
CLSSC-04U – 144 SC APC

LDC (4U) – 72

ECLIPSE (4U) – 144

FDC (5U) – 144

ECL-D4U > 15 in



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