

# OFDC

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## OFDC Outdoor Fiber Distribution Closure with gel sealing technology

CommScope offers the industry's most versatile Outdoor Fiber Distribution Closure (OFDC) family. Including three different series, the OFDC family accepts a wide range of distribution and drop cables thus responding to virtually all application requirements. Each series has a common housing that can be configured to handle different connectivity solutions; such as splice-only, pre-connectorized drop cables, and field-installable connectors (FIC)—significantly simplifying training. Modularly built, it allows easy integration of optical components, even at later deployment stages, and easy pass-through cabling. Advanced gel sealing technology ensures fast and easy field handling without a need for special tools. The field friendly design can be installed in pedestal, hand hole, pole or strand mount applications for fast and easy integration into the FTTx network. Strand, Ped and Pole mount bracket accessory kits are also available for easy installation.

The OFDC portfolio is composed of three different series, covering a wide range of size needs while sharing the same high value design benefits.

**OFDC A4 Series** with LxDxH dimensions: 211 x 94 x 70 mm (8.3 x 3.7 x 2.75 inch)

**OFDC B8G Series** with LxDxH dimensions: 324 x 156 x 128 mm (12.7 x 6.1 x 5 inch)

**OFDC C12 Series** with LxDxH dimensions: 370 x 214 x 118 mm (14.5 x 8.4 x 4.6 inch)

An alternative to the split centralized topology is a cascaded tap architecture. Fiber optic taps are factory installed and the topology is laid out in a linear, daisy-chain fashion. Optical tap architecture offers a cost-optimized solution for rural or low-density FTTH deployment. When configured with optical taps, the OFDC-C12 provides reduced FTTH deployment costs and improved business case; thus, helping secure project funding for rural or low-density communities. The OFDC Rural Tap Closures come with orange labels identifying dB loss and number of drops.

Key features for the OFDC closures:

- Compact design
- Separate zones for looped cable storage, splicing, and patching to drop cables
- Hinged cover provides individual access to drop cable connection area
- Housing designed for wrap around drop cable installation, enabling faster deployments
- Entire fiber management section can be removed from closure body
- Modular splice holders compatible with SMOUV splice protectors
- Suitable for housing field-installable optical components
- No special installation tools required
- Under and above-ground installation: pole, strand, wall and pedestal
- IP68 2-meter water head

## Product Classification

**Product Type** Single-ended, rectangular fiber closure

**Product Series** OFDC

## General Specifications

# OFDC

Cable Sealing Type	Compressed gel
Color	Black
Mounting	Manhole   Pedestal   Strand   Wall

## Port Configuration

CHARACTERISTIC	OFDC FAMILY					
	OFDC A4 SERIES		OFDC B8G SERIES		OFDC C12 SERIES	
Main cables Geometry & Number	# Feeder cables: 2	Round: 4.5-12 mm 0.17-0.47 inch	# Feeder cables: 2	Round: 5-15 mm 0.19-0.59 inch	# Feeder cables: 2	Round: 5.5-17.5 mm 0.21-0.68inch
			# Branch cables: 2	Round: 4-11 mm 0.15-0.43 inch	# Branch cables: 2	Round: 5-13 mm 0.19-0.51 inch
Drop cables Geometry & Number	# Drop cables: 4	Round: 0-6 mm 0-0.23 inch	# Drop cables: 8	Round: 0-5.5 mm 0-0.21 inch	# Drop cables: 12	Round: 0-5.5 mm 0-0.21 inch
		Flat: 8 x 4.5 mm 0.3 x 0.17 inch		Flat: 8 x 4.5 mm 0.3 x 0.17 inch		Flat: 8 x 4.5 mm 0.3 x 0.17 inch
	# Drop cables: 8	Round: 0-4.5 mm 0-0.17 inch	# Drop cables: 16	Round: 0-5.5 mm 0-0.21 inch	# Drop cables: 24	Round: 0-5.5 mm 0-0.21 inch
Splice capacity & use Type: SMOUV 45mm	24 splices For repair up to 48		72 splices For repair up to 96		96 splices For repair up to 96	
Patch capacity	4 SC / 8 LC		8 SC / 16 LC		12 SC / 24 LC	

## Ordering Tree

OFDC -  -  /  -  -  -

Type

A4

OFDC A4 series

B8G

OFDC B8G series

C12

OFDC C12 series

Prefix

S1

Adapter panel SC/U/PC

L1

Adapter panel LC/U/PC

S2

Adapter panel SC/APC

L2

Adapter panel LC/APC

NN

Splice only

Number of adapters installed

A4

4

4

8

8 (LC only: 4 duplex)

0

None

B8G

8

8

G

16 (LC only: 8 duplex)

0

None

C12

T

12

V

24 (LC only: 12 duplex)

0

None

Number of pigtails installed

A4

4

4

8

8 (LC only)

0

None

B8G

8

8

G

16 (LC only: 8 duplex)

0

None

C12

T

12

V

24 (LC only)

0

None

Splicing capacity

A4

24

24 fusion splices (45mm)

48

48 fusion splices (45mm)

B8G

72

72 fusion splices (45mm)

C12

96

96 fusion splices (45mm)

Mounting kit

N

No mounting kit

Splitter type

A4

NN

No splitter

1:4

1:4 splitter

B8G

NN

No splitter

1:4

1:4 splitter

1:8

1:8 splitter

C12

NN

No splitter

1:4

1:4 splitter

1:8

1:8 splitter

1:16

1:16 splitter

## Environmental Specifications

Storage Temperature	-30 °C to +60 °C (-22 °F to +140 °F)
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# OFDC

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Relative Humidity	93%, non-condensing
Environmental Space	Above ground   Below ground
Qualification Standards	IEC 60529, IP68 + 2 m waterhead
UV Resistance	UV stabilized

## Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

