

OFDC

Outdoor Fiber Distribution Closure Portfolio

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.

Features

- 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 and pedestal
- IP68 2-meter water head
- Tested to GR-771



OFDC A4 Series



OFDC B8G Series



OFDC C12 Series - Standard



OFDC C12 Series - High Density

Specifications

Design and configurations

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

Product description	Size: L x D x H	Weight	Housing color
OFDC A4 Series	211 x 94 x 70 mm 8.3 x 3.7 x 2.75 inch	0.55 kg 1.2 lbs	Black
OFDC B8G Series	324 x 156 x 128 mm 12.7 x 6.1 x 5 inch	1.85 kg 4.1 lbs	Black
OFDC C12 Series - Standard	370 x 214 x 118 mm 14.5 x 8.4 x 4.6 inch	2.5 kg 5.5 lbs	Black
OFDC C12 Series - High Density	370 x 214 x 157 mm 14.5 x 8.4 x 6.2 inch	3.7 kg 8.1 lbs	Black

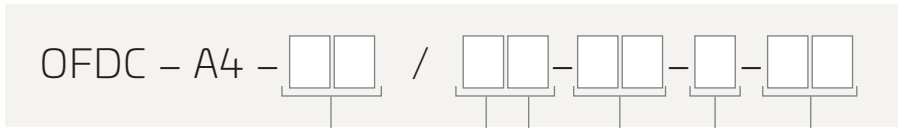
Performance & environmental specifications

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

CHARACTERISTIC	OFDC FAMILY		
	OFDC C12 SERIES		
	Standard	High Density	
Main cables Geometry & Number	# Feeder cables: 2	Round: 5.5-17.5 mm 0.21-0.68 inch	5.5 - 21mm 0.22 - 0.83 inches
	# Branch cables: 2	Round: 5-13 mm 0.19-0.51 inch	5.5 - 17.1mm 0.22 - 0.67 inches
Drop cables Geometry & Number	# Drop cables: 12	Round: 0-5.5 mm 0-0.21 inch	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
	# Drop cables: 24	Round: 0-5.5 mm 0-0.21 inch	Round: 0-5.5 mm 0-0.21 inch
Splice capacity & use	Type: SMOUV 45mm	96 splices For repair up to 96	144 single fiber splice 288 ribbon splice
Patch capacity		12 SC / 24 LC	12 SC / 24 LC

Ordering information

OFDC A4 Series



Prefix

S1	Adapter panel SC/UPC
L1	Adapter panel LC/UPC
S2	Adapter panel SC/APC
L2	Adapter panel LC/APC
NN	Splice only

Number of adapters installed

4	4
8	8 (LC only; 4 duplex)
0	None

Splicing capacity

12	12 fusion splices (45mm)
24	24 fusion splices (45mm)
48	48 fusion splices (45mm)

Mounting kit

N	No mounting kit
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Splitter type

NN	No splitter
14	1:4 splitter
18	1:8 splitter (LC only)

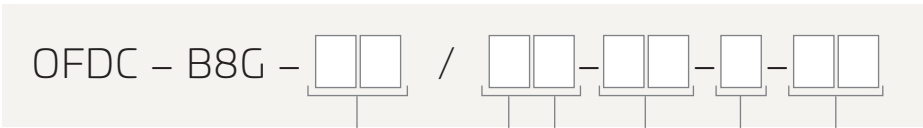
Number of pigtails installed

4	4
8	8 (LC only)
0	None



Ordering information

OFDC B8G Series



Prefix

S1	Adapter panel SC/UPC
L1	Adapter panel LC/UPC
S2	Adapter panel SC/APC
L2	Adapter panel LC/APC
NN	Splice only

Number of adapters installed

8	8
G	16 (LC only: 8 duplex)
0	None

Splicing capacity

72	72 fusion splices (45mm)
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Mounting kit

N	No mounting kit
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Splitter type

NN	No Splitter
12	1:2 Splitter
14	1:4 Splitter
18	1:8 Splitter
1G	1:16 Splitter (LC only)
24	2 x 1:4

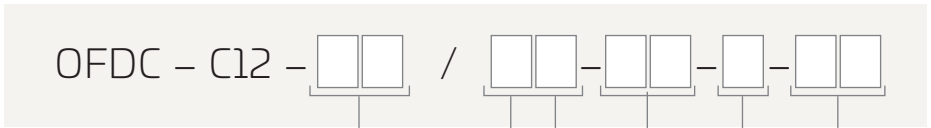
Number of pigtails installed

8	8
G	16 (LC only: 8 duplex)
0	None



Ordering information

OFDC C12 Series



Prefix

S1	Adapter panel SC/UPC
L1	Adapter panel LC/UPC
S2	Adapter panel SC/APC
L2	Adapter panel LC/APC
NN	Splice only

Number of adapters installed

T	12
V	24 (LC only: 12 duplex)
0	None

Number of pigtails installed

T	12
V	24 (LC only)
0	None

Splicing capacity

96	Standard capacity up to 96 fusion splices (45mm)
HD	High Density up to 144 fusion splices (45mm) or 288 ribbon slice

Mounting kit

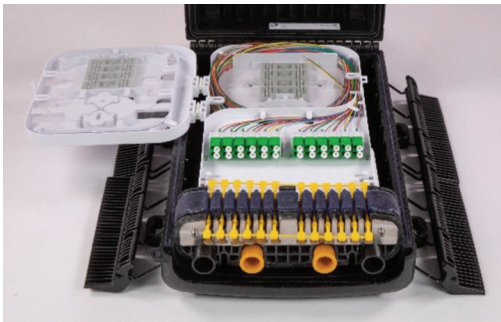
N	No mounting kit
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Splitter type

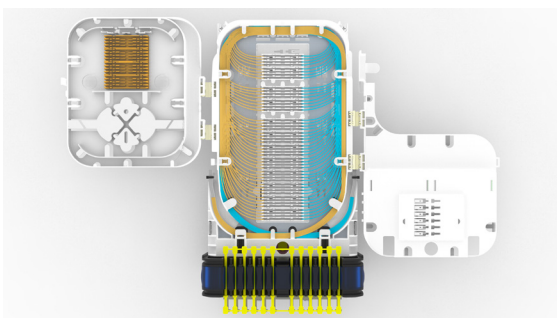
NN	No Splitter
12	1:2 Splitter
14	1:4 Splitter
18	1:8 Splitter
1G	1:16 Splitter (LC only)
24	2 x 1:4
34	3 x 1:4
28	2 x 1:8 (LC only)
38	3 x 1:8 (LC only)

The metal bracket in the standard OFDC-C12 configurations ending in "-US86" has strain relief on both the feeder and branch ports.

Standard OFDC-C12



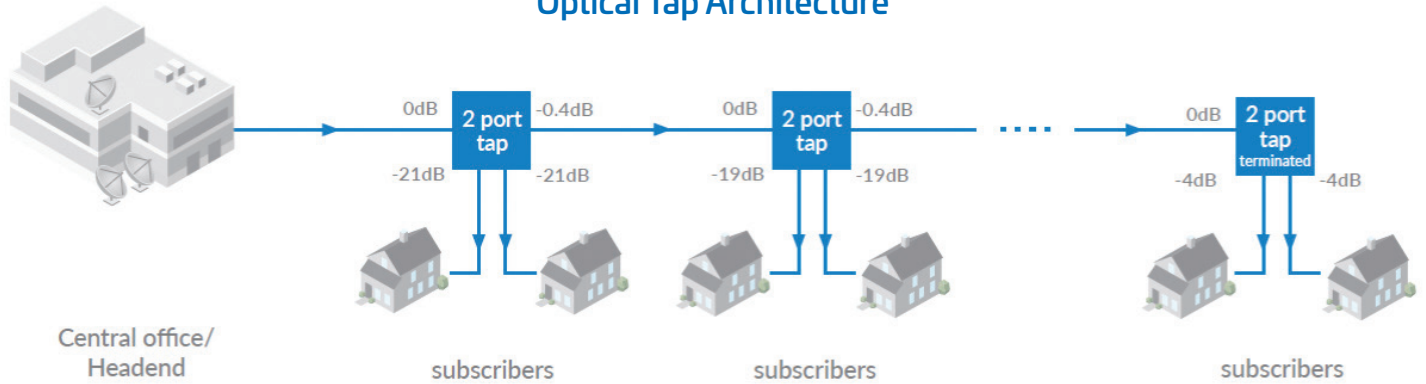
High Density OFDC-C12



OFDC C12 Series with Rural Taps

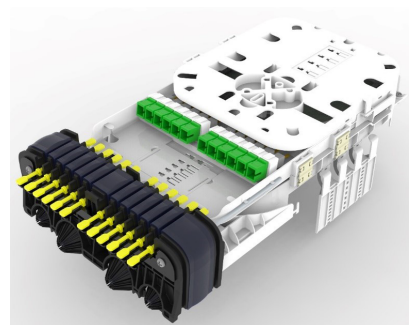
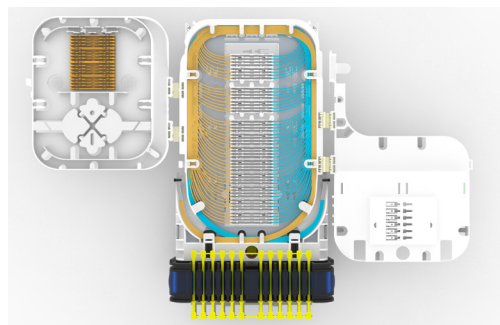
An alternative to the split centralized topology is a cascaded tap architecture. Fiber optic taps are factory installed and the topology is laid out in a linear, daisy-chain fashion. Optical tap architecture offers a cost-optimized solution for rural or low-density FTTH deployment. When configured with 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.

Optical Tap Architecture



Available Options

Tap Value	OFDC-C12 with 2-drop taps	OFDC-C12 with 4-drop taps	OFDC-C12 with 8-drop taps
21 dB	OFDC-C 12-S2/20-2T21-N-HD	OFDC-C 12-S2/40-4T21-N-HD	OFDC-C 12-S2/80-8T21-N-HD
19 dB	OFDC-C 12-S2/20-2T19-N-HD	OFDC-C 12-S2/40-4T19-N-HD	OFDC-C 12-S2/80-8T19-N-HD
17 dB	OFDC-C 12-S2/20-2T17-N-HD	OFDC-C 12-S2/40-4T17-N-HD	OFDC-C 12-S2/80-8T17-N-HD
15 dB	OFDC-C 12-S2/20-2T15-N-HD	OFDC-C 12-S2/40-4T15-N-HD	OFDC-C 12-S2/80-8T15-N-HD
14 dB	OFDC-C 12-S2/20-2T14-N-HD		OFDC-C 12-S2/80-8T14-N-HD
13 dB		OFDC-C 12-S2/40-4T13-N-HD	
12 dB	OFDC-C 12-S2/20-2T12-N-HD		OFDC-C 12-S2/80-8T12-N-HD
11 dB		OFDC-C 12-S2/40-4T11-N-HD	OFDC-C 12-S2/80-8T11T-N-HD *Terminating Tap*
10 dB	OFDC-C 12-S2/20-2T10-N-HD	OFDC-C 12-S2/40-4T10-N-HD	
9 dB		OFDC-C 12-S2/40-4T09-N-HD	
8 dB	OFDC-C 12-S2/20-2T08-N-HD		
7 dB	OFDC-C 12-S2/20-2T07-N-HD	OFDC-C 12-S2/40-4T07T-N-HD *Terminating Tap*	
5 dB	OFDC-C 12-S2/20-2T05-N-HD		
4 dB	OFDC-C 12-S2/20-2T04T-N-HD *Terminating Tap*		



Ordering Information – Standard Configurations

OFDC-A4

Configuration	Description
OFDC-A4-NN/00-NN-N-24	OFDC-A4 Fiber Optic Splice/Patch Closure, gel sealing, 24 fiber splices, no adapters, no pigtails
OFDC-A4-S2/44-NN-N-24	OFDC-A4 Fiber Optic Splice/Patch Closure, gel sealing, 24 fiber splices, 4 SC/APC adapters and pigtails
OFDC-A4-L2/88-NN-N-24	OFDC-A4 Fiber Optic Splice/Patch Closure, gel sealing, 24 fiber splices, 4 Duplex LC/APC adapters and pigtails
OFDC-A4-S2/22-12-N-12	OFDC-A4 Fiber Optic Splice/Patch Closure, gel sealing, 12 fiber splices, 4 SC/APC adapters, 1:2 pre-connectorized splitter
OFDC-A4-S2/44-14-N-12	OFDC-A4 Fiber Optic Splice/Patch Closure, gel sealing, 12 fiber splices, 4 SC/APC adapters, 1:4 pre-connectorized splitter
OFDC-A4-L2/80-18-N-12	OFDC-A4 Fiber Optic Splice/Patch Closure, gel sealing, 12 fiber splices, 4 Duplex LC/APC adapters, 1:8 pre-connectorized splitter

OFDC-B8G

Configuration	Description
OFDC-B8G-NN/00-NN-N-72	OFDC B8G Fiber Optic Splice/Patch Closure, gel sealing, 6 pre-installed 12-fiber splice trays, no adapters, no pigtails
OFDC-B8G-S2/88-NN-N-72	OFDC B8G Fiber Optic Splice/Patch Closure, gel sealing, 6 pre-installed 12-fiber splice trays, 8 SC/APC adapters and pigtails
OFDC-B8G-L2/GG-NN-72	OFDC B8G Fiber Optic Splice/Patch Closure, gel sealing, 6 pre-installed 12-fiber splice trays, 8 Duplex LC/APC adapters and pigtails
OFDC-B8G-S2/82-12-NN-72	OFDC B8G Fiber Optic Splice/Patch Closure, gel sealing, 6 pre-installed 12-fiber splice trays, 8 SC/APC adapters, 1:2 pre-connectorized splitter
OFDC-B8G-S2/84-14-NN-72	OFDC B8G Fiber Optic Splice/Patch Closure, gel sealing, 6 pre-installed 12-fiber splice trays, 8 SC/APC adapters, 1:4 pre-connectorized splitter
OFDC-B8G-S2/88-18-N-72	OFDC B8G Fiber Optic Splice/Patch Closure, gel sealing, 6 pre-installed 12-fiber splice trays, 8 SC/APC adapters, 1:8 pre-connectorized splitter
OFDC-B8G-L2/G0-1G-N-72	OFDC B8G Fiber Optic Splice/Patch Closure, gel sealing, 6 pre-installed 12-fiber splice trays, 8 Duplex LC/APC adapters, 1:16 pre-connectorized splitter

OFDC-C12 – High Density

Configuration	Description
OFDC-C12-NN/00-NN-N-HD	High Density OFDC C12 Fiber Optic Splice/Patch Closure, gel sealing, 144 splice capacity, no adapters, no pigtails
OFDC-C12-S2/TT-NN-N-HD	High Density OFDC C12 Fiber Optic Splice/Patch Closure, gel sealing, 144 splice capacity, 12 SC/APC adapters and pigtails
OFDC-C12-L2/VV-NN-N-HD	High Density OFDC C12 Fiber Optic Splice/Patch Closure, gel sealing, 144 splice capacity, 12 Duplex LC/APC adapters and pigtails
OFDC-C12-S2/T0-12-N-HD	High Density OFDC C12 Fiber Optic Splice/Patch Closure, gel sealing, 144 splice capacity, 12 SC/APC adapters, 1:2 pre-connectorized splitter
OFDC-C12-S2/T0-14-N-HD	High Density OFDC C12 Fiber Optic Splice/Patch Closure, gel sealing, 144 splice capacity, 12 SC/APC adapters, 1:4 pre-connectorized splitter
OFDC-C12-S2/T0-18-N-HD	High Density OFDC C12 Fiber Optic Splice/Patch Closure, gel sealing, 144 splice capacity, 12 SC/APC adapters, 1:8 pre-connectorized splitter
OFDC-C12-L2/V0-1G-N-HD	High Density OFDC C12 Fiber Optic Splice/Patch Closure, gel sealing, 144 splice capacity, 12 Duplex LC/APC adapters, 1:16 pre-connectorized splitter

Standard OFDC-C12 configurations can be found on CommScope e-Catalog.

Accessories

Here are the most common accessories, compatible with all OFDC size variants:

Product number	Description
OFDC-C12-BRKSTRAND	Strand mount bracket, set of two hangers. Valid for all OFDC series sizes.
OFDC-C12-GROUNDKIT	Ground wire for OFDC
OFDC-GROUNDKIT-BONDCLAMP	Bond clamp for OFDC-C12
Universal Bracket FTTX	OFDC-C12 Universal Bracket
S1515-30X1.5X700-AUTO-N	Gel strip, 1 pc is a roll of 70 cm / 27 inch. MOQ is 4 pc (in a bag). Required for 2 cables per port.
FOSC-ACC-LBT-WRAP-100	Velcro Tape for buffer tube routing
OFDC-C12-POLE-BRKT-METRIC	OFDC-C12 Pole Mount Bracket Kit that attaches to the pole by strapping. **Metric Hardware**
SMOUV-1120-02-PK	SMOUV Heat Shrink Splice Protective Sleeve 45.00 mm (1.77 in), pack of 100 pcs
OFDC-B8G POLE MNT BRKT KIT	OFDC-B8G Pole Mount Bracket Kit that attaches to the pole by strapping or screwing a lug into a wooden pole. **Metric Hardware**
OFDC-A4-EXT-SG/44	Extension kit: adapter panel, 4 SC/APC adapters, 4 SC/APC pigtails, 4 SMOUV 45mm splice protectors, 8mm dummy rod
OFDC-A4-EXT-SG/22	Extension kit: adapter panel, 2 SC/APC adapters, 2 SC/APC pigtails, 2 SMOUV 45mm splice protectors, 8mm dummy rod
OFDC-A4-EXT-L1/80	Extension kit: adapter panel, 4 LC/UPC adapters

Additional Resources

CommScope e-Catalog

Additional product information, installation instructions and videos are available.

For more information on Solutions for FTTX access

Additional product information is available.



[commscope.com](https://www.commscope.com)

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