



OCC1C compact CWDM

Compact coarse wavelength division multiplexing devices

The coarse wavelength division multiplexing technique combines (or multiplexes) two or more signals with different wavelengths in one common fiber. The same components can also be used to separate the wavelengths (de-multiplexing) at the remote location.

OCC1C allows the integration of CWDM technology into Fiber Optic enclosures in an easy way.

The OCC1C is supplied with a FOSC splice module.

The C-CWDM components are based on free space optics technology.

Advantages

- Consistent performance
- Low optical loss
- Low polarization sensitivity
- Excellent mechanical and environmental characteristics
- Fast installation in FOSC trays

Applications

- CWDM upgrades in metro networks
- Increase the capacity between the central office and head end or HUB and the optical node in HFC networks
- CWDM overlay in PON architectures
- LAN

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Ordering Information

OCC1C - X - XX X - XX XX C

Coarse WDM component

Number of channels

4	4 channels
8	8 channels
A	4 channels + upgrade port
C	4 channels + upgrade port + 1310 nm port
F	8 channels + 1310 nm port
I	2 channels + upgrade port + 1310 nm port

Starting wavelength

47	1471 nm
⋮	1491 nm
61	1611 nm

In-Output cable type

NQ	250 micron single fiber*
SE	900 micron single fiber

* Available with colored fibers for select wavelengths per CommScope color code

Connector type (900 μm fiber)

Min.return loss	SC	LC	None
50 dB (UPC)*	S1	L1	NN
60 dB (APC 8°)*	S2	L2	
60 dB (APC 9°)*	S3		

* UPC Ultra polished physical contact
APC Angled polished physical contact

Channel spacing/sequence

1	20 nm eg. 1471, 1491, 1511
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Example

OCC1C-F-471-NNNQ

8 channel compact CWDM, with 1310 nm port, not connectorized, 1471-1611 nm, 250 μm fibers

Performance specifications

Refer to the CommScope CWDM specification proposal 5414.

For more technical options and order quantity information, please consult the products ordering guides or your local sales representative.



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