



OCC1D

Dense wavelength division multiplexing devices

The dense 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.

OCC1D allows the integration of DWDM technology into Fiber optic enclosures in an easy way. The OCC1D is supplied with a FOSC splice module and fits into FOSC 400 and 450, B, C, D and FOSC500-AA trays. The DWDM components are based on TFF (thin-film-filter) technology.

Advantages

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

Applications

- DWDM upgrades in metro networks, including ethernet and cell site backhaul
- Increase the capacity between the central office and the headend in HFC networks
- DWDM overlay in PON architectures
- DWDM in long haul networks

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Ordering Information

OCC1D - X - XX X - XX XX F

Number of channels

1	Single channel add or drop
X	Double (de)mux (single channel add or drop on 2 fiber system)

Starting wavelength (ITU grid)

20	1561.42 nm
21	1560.61 nm
⋮	⋮
60	1529.55 nm

In-Output cable type

NQ	250 micron single fiber
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Connector type at end 1

NN	None
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Channel spacing/sequence

0	One channel only
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Example

OCC1D-X-250-NNNQF

DWDM field installable, ITU 25, 1 channel only, not connectorized, 250 micron fibers

Performance specifications

Refer to the CommScope's DWDM specification proposal 5400C.



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