

FOSC 450 B & D Closures

Fiber Optic Splice Closures with Integrated Passive Optical Components

CommScope's FOSC 450 B and D size fiber optic splice closures are available with a variety of factory integrated passive optical components.

CWDM and DWDM solutions allow providers to maximize the use of available optical spectrum per fiber strand to support more services while utilizing fewer fiber counts. In addition, these product solutions are designed to meet cable management and access requirements as well as durability and maintainability in the outside plant environment.

Advantages

- Consistent Performance
- Low optical loss
- Low polarization sensitivity
- Excellent mechanical and environmental characteristics
- Fast installation and commissioning
- Individual fibers routed to trays and labeled
- Color (Green) identification tape affixed to base of FOSC450 closure

Applications

- CWDM / DWDM Deployments
- Single and Dual Fiber Architectures
- MetroE Commercial Services
- Cell Tower Back Haul Services
- Commercial Services Over Residential Fiber Infrastructure
- Segmentation of HFC nodes
- 10G-EPON Ready Optics

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Integrated FOSC Closure – CWDM

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.

Ordering Information

FOSC450 - C NN -

Tray Type

3	FOSC-D-TRAY-72: splice modules in the middle of the tray (D size closure)
6	FOSC-A-TRAY-24: "black box" concept (B size closure)

Coarse WDM Components

Chassis Adapter Type

1	1
2	2
4	4
8	8
A	4 channels + upgrade port
B	8 channels + upgrade port
C	4 channels + upgrade + 1310 nm port
D	8 channels + upgrade + 1310 nm port
E	4 channels + 1310 nm port
F	8 channels + 1310 nm port
G	12 channels + 1310 nm port
H	2 channels + upgrade
I	2 channels + upgrade + 1310 nm port
J	5 channels + upgrade + 1310 nm port
K	5 channels + upgrade
L	3 channels + upgrade
M	6 channels + upgrade + 1310 port
N	10 channels
O	18 channels
P	11 channels
Q	40 channels
R	1 channel + upgrade
S	16 channels
T	6 channels
U	2 channels + 1310
V	1 channel + upgrade + 1310 port
W	10 channels + upgrade + 1310 port
Y	20 channels

Type

M	Multiplexing
D	Demultiplexing
X	Double demux (for 2 fiber system)
Y	Double mux (for 2 fiber system)

Options (SC/APC)

T	Test fiber
2T	Tx and Rx test fibers

Channel Spacing/Sequence

0	0 One channel only
1	20 nm e.g. 1471, 1491, 1511,
2	40 nm e.g. 1471, 1511, 1551,
3	20 nm + 1310 nm
4	20 nm + upgrade port
5	20 nm + upgrade port + 1310 nm
6	40nm e.g. 1471, 1511, 1551, + upgrade port
A	Channels skipped

Starting Wavelength

27	27 1271 nm
29	29 1291 nm
↓	↓
61	61 1611 nm

Performance Specifications

Refer to the CommScope CWDM specification proposal 5336.

Notes

Refer to the FOSC trays ordering guide for tray dimensions.

The FOSC-OC-3 tray has been provided with holders for heat-shrinkable splice protectors to splice the incoming fibers.

The FOSC-OC-6 is a black box concept and therefore does not allow splicing the in- and outgoing fibers on this tray. Pre-installed tubes will route these fibers to another tray in the enclosure.

Not all configurations are possible. Please consult your local sales engineer for confirmation.

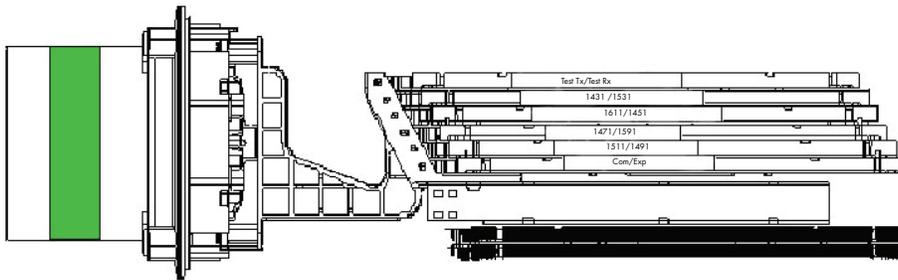
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Integrated FOSC Closure

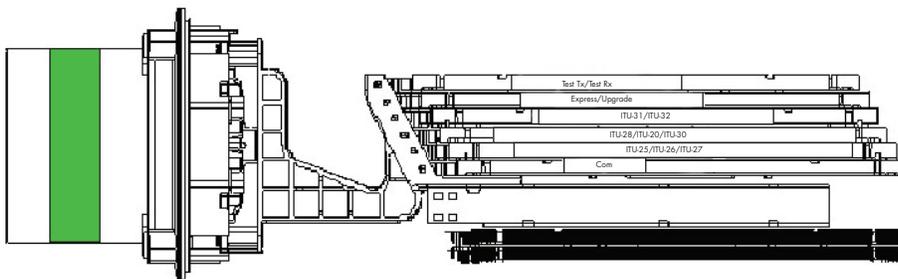
Example of Fully Integrated CWDM FOSC Closure for Dual-Fiber System

FOSC450-6CBX43ANN2TUS23



Example of Fully Integrated DWDM 8-Channel FOSC B Closure for Dual-Fiber System

FOSC450-6DBX1251NN2TU23



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