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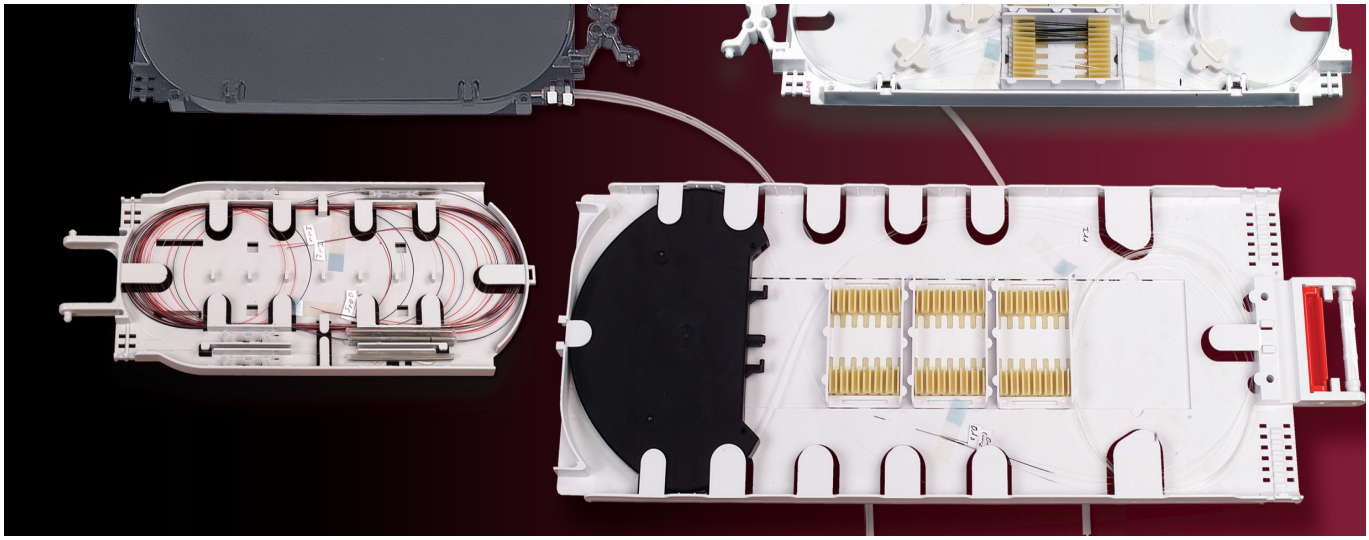

FOSC-OC

Wideband couplers/splitters in FOSC trays

Single-mode wideband couplers/splitters are branching devices available in a wide range of styles and sizes to split and combine light.

These devices are integrated into CommScope's FOSC range of fiber-optic splicing trays.

This allows for easy integration in enclosures, wall-mount boxes, or ODFs.

Advantages

- Consistent performance
- Low optical loss
- Low polarization sensitivity
- Excellent mechanical and environmental characteristics
- Fast installation and commissioning

Applications

- Combining and splitting light signals
- Central office/headend
- Aerial pole
- LAN
- Network monitoring

The splitter components are based on planar waveguide technology. For low split ratio's, the FBT (fused biconic tapered) technology is used.

FOSC-OC

Wideband couplers/splitters in FOSC trays

Ordering Information

FOSC-OC - X X X X X XX

Tray type

1	FOSC-A-TRAY-24, splice modules in the middle of the tray
2	FOSC-B-TRAY-24, splice modules in the middle of the tray
3	FOSC-D-TRAY-72, splice modules in the middle of the tray
4	FOSC-A-TRAY-S24, splices near the edges of the tray
5	FOSC-B-TRAY-S24, splices near the edges of the tray
6	FOSC-A-TRAY-24, "black box" concept

Splitter grade

A	Splitter grade A (fused biconical tapered)
P	Splitter grade P (standard planar technology)
O	Splitter grade O (low loss planar technology)

Split ratio

00	Symmetrical
05	5/95, only available for 1x2 and 2x2 splitters
10	10/90, only available for 1x2 and 2x2 splitters

Number of outputs per splitter

2	... x2 splitter	G	... x16 splitter
4	... x4 splitter	W	... x32 splitter
8	... x8 splitter	Z	... x64 splitter

Number of inputs per splitter

1	1x ... Splitter
2	2x ... Splitter

Number of integrated splitters

The maximum number of integrated splitters is for each configuration (tray type, splitter and splitter grade) indicated in the table underneath.

Tray type

Splitter/ grade	1		2		3		4		5		6	
	A	O/P	A	O/P	A	O/P	A	O/P	A	O/P	A	O/P
1x2	4		4		12		4		4		16	
2x2	3		3		9		2		2		16	
1x4		3		3		10		2		2		2
2x4		3		3		9		2		2		2
1x8		2		2		6		1		1		2
2x8		1		1		6		1		1		2
1x16		1		1		3		1		1		2
2x16		1		1		3		1		1		2
1x32						1						1
2x32						1						1
1x64						1						
2x64						1						

* If number of integrated splitters > = 10, use in name G for 16, W for 32, Z for 64.

Performance specifications

Refer to the CommScope specification RUD 5257 (grade A) and RUD 5330 (grade P, O) for performance information.

Notes

- Refer to the FOSC trays ordering guide for tray dimensions
- All trays are 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 closure box.

Example

FOSC-OC-3P21800:
FOSC D-tray with 2 1x8 splitters with symmetrical split ratio (50/50).

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Visit our website or contact your local CommScope representative for more information.

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