



FIST-FCASA2

FIST Field Installable Coarse Wavelength Division Multiplexer

FIST is a Fiber Infrastructure System Technology. At the heart of the system lies CommScope's unique sub-assembly concept. The FIST-FCASA2 allows integration of coarse wavelength division multiplexers in any FIST network element in an easy and cost-effective way.

The FIST-FCASA2 passive optical devices are factory mounted in a closed housing that is labeled to indicate the factory measured insertion loss per port.

The tray can be clipped onto the baseplate of a standard single fiber FIST-SOSA2 array of splicing trays. These are used into the various FIST network products, e.g. splicing shelves (FIST-GSS2), patching shelves (GMS2), closures (FIST-GCO2, FIST-GCOG2) and boxes (FIST-GB2).

Provision for fiber, device and cable element identification is integrated in the design either by labeling or by using colored fibers.

The coarse wavelength division multiplexers are based on TFF (Thin-Film-Filter) technology. For advanced low-loss applications, we offer the FIST-FCASA2 with the Compact CWDM module based on free-space optics technology.

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Ordering Information

FIST - FCASA2 - X X XX X NN - X

Number of Channels

1	1 channel
2	2 channels
4	4 channels
8	8 channels
A	4 channels + upgrade port
B	8 channels + upgrade port
C	4 channels + upgrade port + 1310 nm
E	4 channels + 1310 nm
F	8 channels + 1310 nm

Type

M	Multiplexing
D	Demultiplexing
C	Compact CWDM (low-loss)*

* Only available for specific channels.
See datasheet of CCWDM for more information.

Fiber Configuration

L	All fibers at the left side
R	All fibers at the right side

Channel Spacing/Sequence

1	20 nm (eg. 1271 nm, 1291 nm, 1311 nm, ...)
2	40 nm (eg. 1271 nm, 1311 nm, 1351 nm, ...)
0	One channel only

Starting Wavelength

27	1271 nm
29	1291 nm
...	...
61	1611 nm

Notes

- Please refer to RUD Proposal 5336 (TFF technology) or RUD 5414 (Compact technology) for detailed technical information.
- Some basic rules need to be respected when routing the fibers from the FIST-FCASA2 to the standard splicing trays. Refer to the installation instruction for more details.

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



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

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