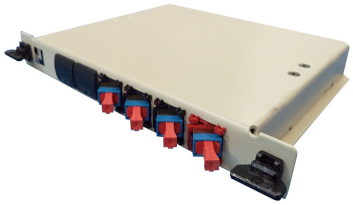
FDF-FL2-WDM-MODULES

Base Product



FDF/FL2 WDM Fiber Optic Module

CommScope's Value-Added Module (VAM) system adds flexibility and functionality to the optical transport system by enabling service providers to easily incorporate optical components into the network. This versatile platform lays the foundation for the optical network of the future.

CommScope's VAM Modules feature:

- Enclosed Plug-in modules protect the optical components from physical and environmental damage
- Angled retainers maintain minimum bend radius of fiber patch cords
- Pluggable modules can be added or removed from the chassis without interfering with existing terminated patch cords
- Flexible platform: modules can be created for new applications quickly and easily to meet customer requirements
- Custom configurations are available upon request

The FDF VAM WDM system consists of a variety of optical component modules that fit into the FDF ODF VAM chassis.

WDM applications include:

- Wavelength Division Multiplexing Increase capacity without deploying additional fiber
- CWDM Applications Increase bandwidth by transmitting multiple wavelengths simultaneously
- DWDM Applications Further increase bandwidth and capacity using closely spaced wavelengths in the ITU grid

Product Classification

Regional Availability	Asia | Australia/New Zealand | EMEA | Latin America | North America
Portfolio	CommScope®
Product Type	CWDM module | DWDM module | WDM module
Product Series	FDF | FL2000

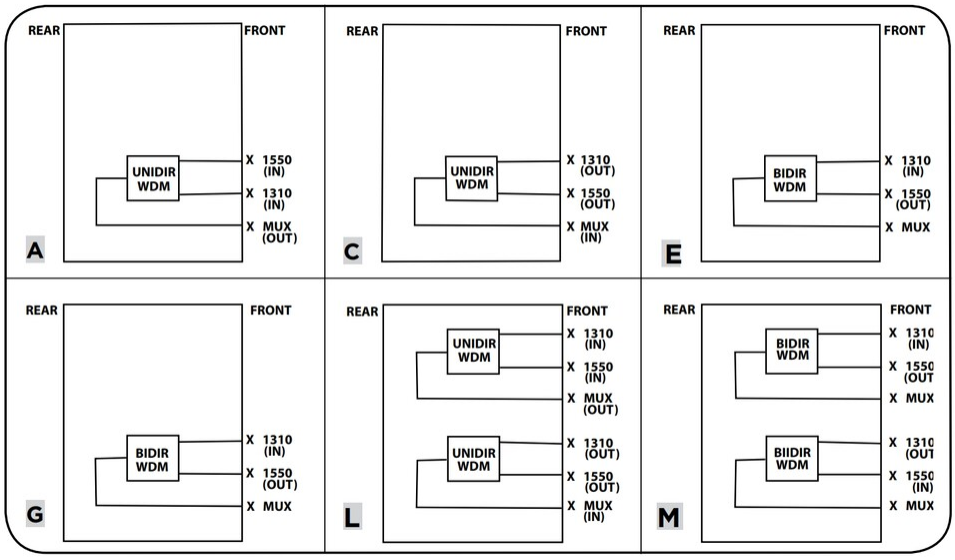
General Specifications

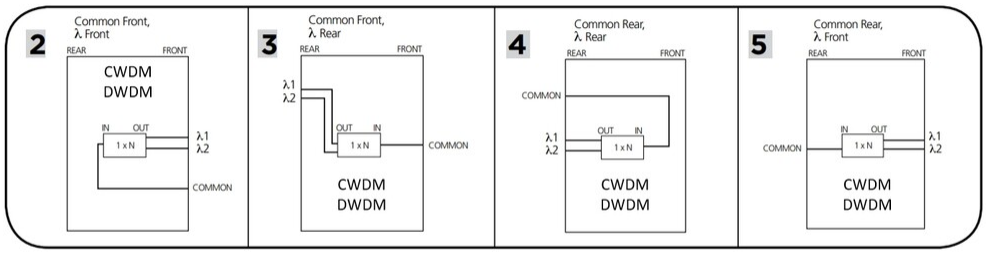
Functionality	Demultiplexing | Multiplexing
Application	For use with FDF frames | For use with FL2 panels
Interface, Input	LC/APC | LC/UPC | SC/APC | SC/UPC
Interface, Output	LC/APC | LC/UPC | SC/APC | SC/UPC

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: February 8, 2024

FDF-FL2-WDM-MODULES

Port Configuration





Ordering Tree

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: February 8, 2024

FDF-FL2-WDM-MODULES

WDMW-	Module for FCM optical distribution frames with WideVAM® chassis
WDM-	Module for FCM and FL2000 optical distribution frames with standard VAM chassis

Catalog Number

2 ____ ____ ____ ____ ____ 0 0

WDM Module Options

2	Common front, λ front

Common Port Connector/Adapter

7U	SC/UPC
7A	SC/APC
KU	LC/UPC
KA	LC/APC
00	Bare fiber

λ Port Connector/Adapter

7U	SC/UPC
7A	SC/APC
KU	LC/UPC
KA	LC/APC
00	Bare fiber

Module Configuration[1,2]

A	Single circuit
B	Dual circuit

WDM Component Types (λ_1:λ_2)[3]

A	Unidirectional multiplexer
C	Unidirectional demultiplexer
E	Bidirectional λ_1 Tx/ λ_2 Rx
G	Bidirectional λ_2 Tx/ λ_1 Rx
J	45 dB isolation, pass 1310
K	45 dB isolation, pass 1550
L	(Dual only) unidirectional multiplexer, unidirectional multiplexer[3]
M	(Dual only) bidirectional λ_1 Tx/ λ_2 Rx, bidirectional λ_2 Tx/ λ_1 Rx

Isolation

1	Standard -15 dB
2	High -30 dB
3	Very High -45 dB

Wavelength

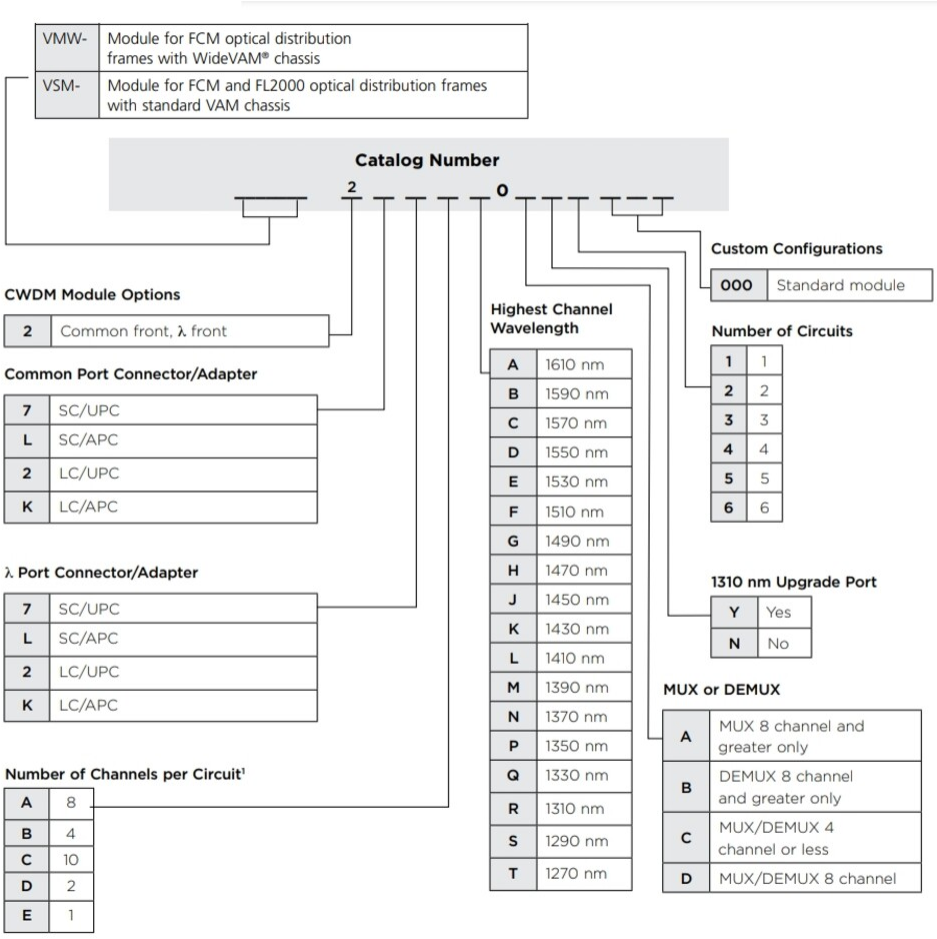
A	1310 (λ_1)/1550 (λ_2)
D	1550 (λ_1)/1625 (λ_2)
F	1310 (λ_1)/1625 (λ_2)

λ Port Pigtail Length
Common Port Pigtail Length

0 = Adapters only on input and output ports

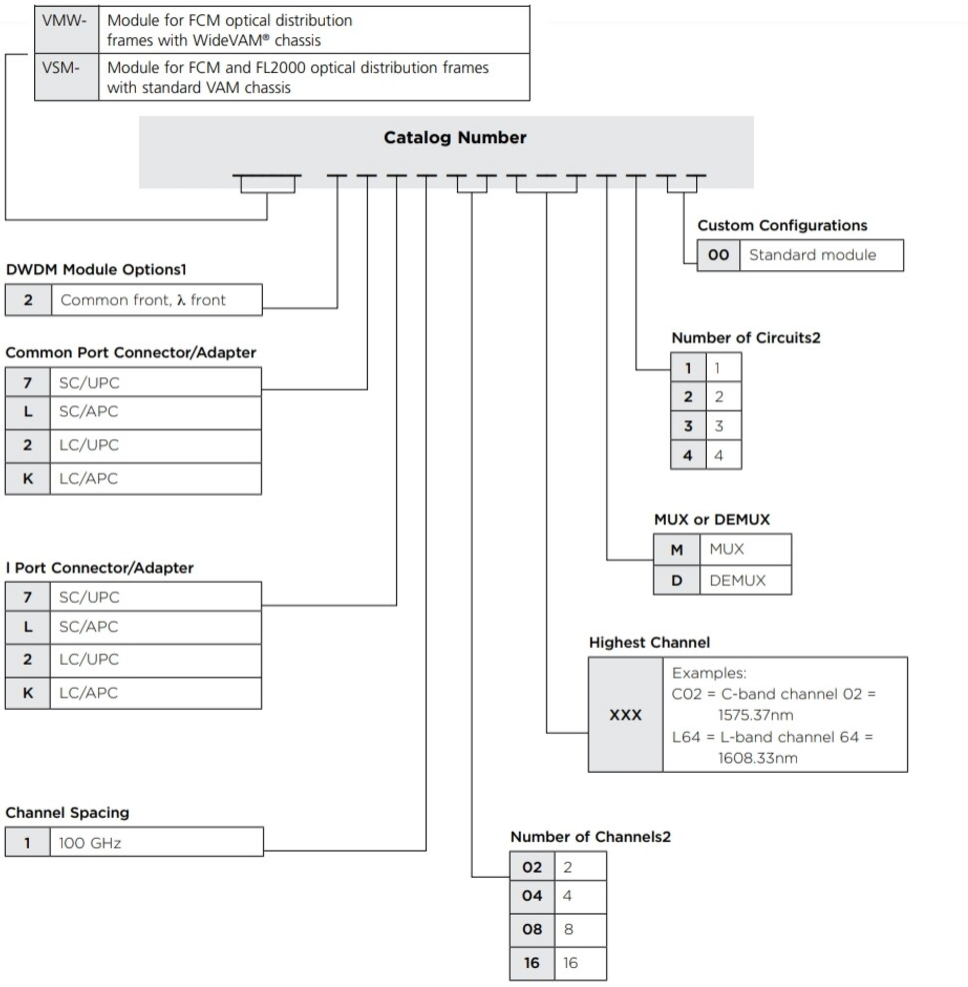
©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: February 8, 2024

FDF-FL2-WDM-MODULES



©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: February 8, 2024

FDF-FL2-WDM-MODULES



Environmental Specifications

Environmental Space Indoor

Packaging and Weights

Packaging quantity 1

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: February 8, 2024