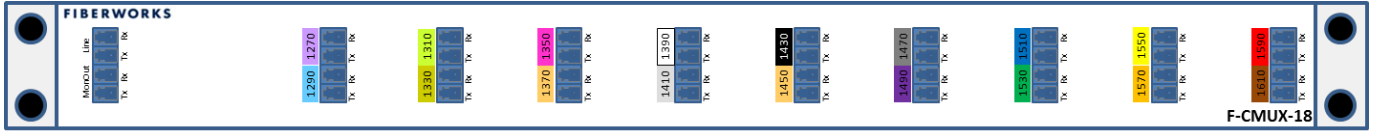


# F-CMUX-18

## 18 channel CWDM mux/demux with monitor ports



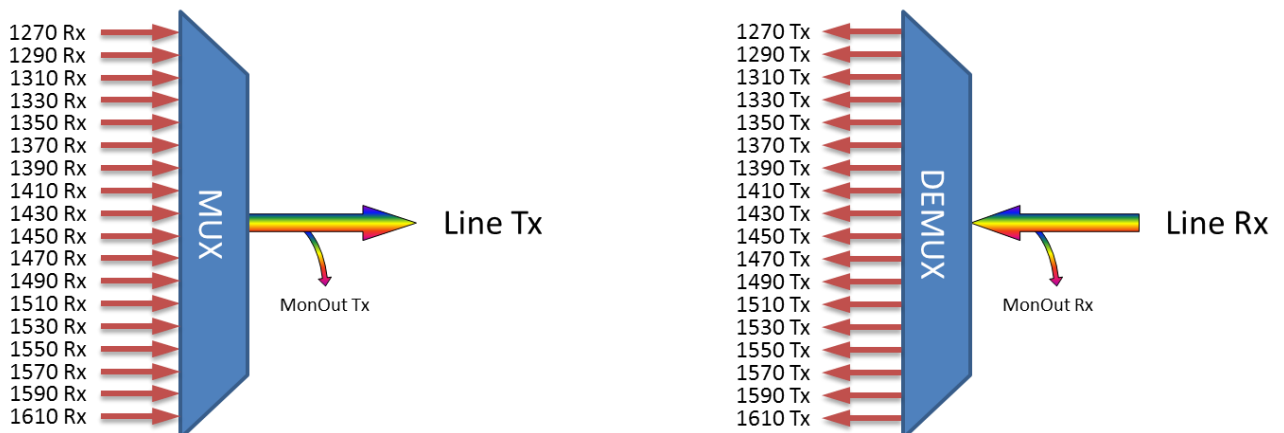
### DESCRIPTION

This CWDM multiplexer/demultiplexer covers all 18CWDM channels. Monitor ports ensures easy troubleshooting without downtime and the color coding helps in the installation process reducing the chance of errors.

### FEATURES

- Coarse WDM in compliance with ITU-T G.694.2
- Standard 18-channel CWDM band 1270 nm – 1610 nm, 20 nm spacing
- 2% monitoring ports for Tx and Rx
- Based on thin film optics with epoxy free optical path
- Protocol transparent (support 1G, 10G etc.)
- Fills 1U in a 19" rack
- LC/UPC connectors

### FUNCTIONAL DESCRIPTION



**TECHNICAL DATA**

Parameter	Unit	Value
Center Wavelength	nm	1271, 1291, 1311, 1331, 1351, 1371, 1391, 1411, 1431, 1451, 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611
Max insertion loss (module / link)	dB	< 3.7 / < 5.0
Monitoring ports power level	dB	$\approx P_{\text{Line port}} - 19 \text{ dB}$
Channel Spacing	nm	20
Channel Flatness	dB	< 0.4
Channel Bandwidth	nm	+/- 6.5
Channel Uniformity	dB	< 1.0
Adjacent channel isolation	dB	> 30
Non-adjacent channel isolation	dB	> 40
Directivity	dB	> 55
Return Loss	dB	> 50
PDL	dB	< 0.15
PMD	ps	< 0.1
Wavelength thermal stability	nm/°C	< 0.003
Insertion Loss thermal stability	dB/°C	< 0.005
Power Handling	mW	< 500
Operating temperature	°C	0 to +70
Storage temperature	°C	-40 to +85

**ORDERING INFORMATION**

Product number	Name	Description
F-CMUX-18-2761-MLU	F-CMUX-18	Fiberworks 18 ch. CWDM Mux/Demux C27-C61, Monitor ports