4 Channel CWDM Color Cable

Auxora's 4 channel CWDM color cable is an integrated optical device based on free-space tech bench which can significantly improve optical performance and minimize packaging size.
The 4 channel CWDM color cable features ultra-compact size like a cable, as well as broad pass band and high isolation, which makes it to be ideally used for 5G applications.

FEATURES

- Compact size & cable package
- Good channel uniformity
- Ultra-low insertion loss
- Telcordia GR-1221 and GR1209 compliant

APPLICATIONS

- Access networks
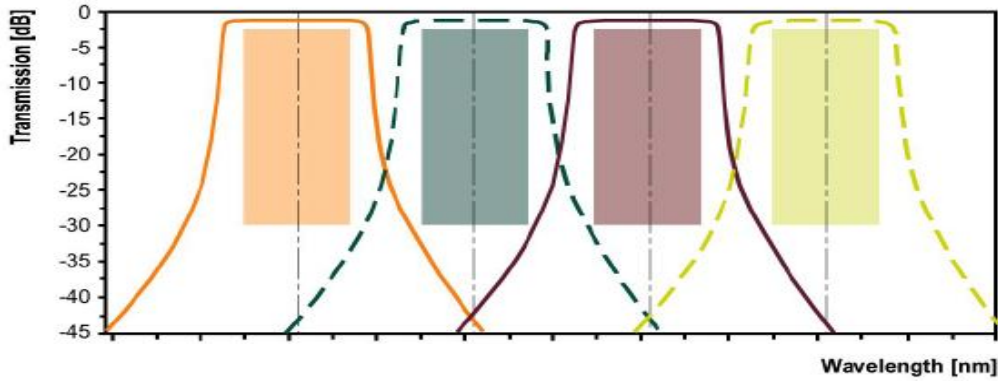- Metro WDM systems
- Telecommunications
- 4G/5G LTE mobile system

SPECIFICATIONS

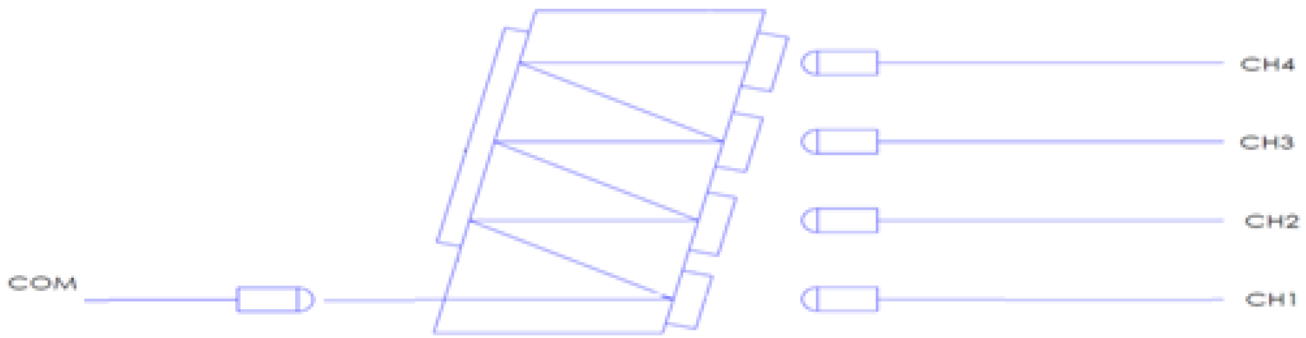| Parameter		4-CH
Operating Wavelength (nm)		1260～1620
CWDM Channel Spacing (nm)		20nm ITU Grid
CWDM Channel Passband (nm)		$\lambda c \pm 6.5$
Insertion Loss (dB)	CWDM Channel	≤ 1.3
Passband Ripple (dB)		≤ 0.5
Isolation (dB)	Adjacent	≥ 30
	Non-adjacent	≥ 45
Polarization Dependent Loss (dB)		≤ 0.1
Directivity (dB)		≥ 50
Return Loss (dB)		≥ 50
Polarization Mode Dispersion (ps)		≤ 0.1
Maximum Power Handling (mW)		500
Operating Temperature (℃)		0 ~ 70
Storage Temperature (℃)		-40 ~ 85
Package Dimensions(mm)		70x12x7
Fiber type		ITU-T G657.A2

NOTES:

1) All specifications are based on the devices without connectors, and guaranteed over wavelength, polarization and temperature.

2) PMD and chromatic dispersion values are guaranteed by design.

3) IL is 0.3 dB higher, RL is 5 dB lower for connector added.

4) Specifications are subject to change without notice.

Spectral Diagram(Typical of 4 channel CWDM):

Port Configuration:

Ordering Information: (e.g. ACCC-1040027011-1010-55)

ACCC-	X	XX	XX	XX	XX	X	-XX	XX	-X	X
							Fiber Length		Connector	
	ITU	Port Configuration	Special Port	Initial Wavelength	Package Type	Fiber Jacket	Input	Output	Input	Output
	X	XX	XX	XX	XX	X	-XX	XX	-X	X
	0=0 serial	01=1Ch	00=None	27=1270/1271	01=1x4 package	1=1.6mm cable	10=1.0m	10=1.0m	0=None	0=None
	1=1 serial	02=2Ch		29=1290/1291			12=1.2m	12=1.2m	1=FC/UPC	1=FC/UPC
		03=3Ch		……			……	…….	2=FC/APC	2=FC/APC
		04=4Ch		59=1590//1591			15=1.5m	15=1.5m	3=SC/UPC	3=SC/UPC
				61=1610/1611			XX=Customized	XX=Customized	4=SC/APC	4=SC/APC
									5=LC/UPC	5=LC/UPC
									6=LC/APC	6=LC/APC
									XX=Customized	XX=Customized