

# OM4 - Simplex/Duplex Patch Cord Multimode



## Product overview

The multimode patch cords are manufactured using LSZH cables which conform to IEC, EIA TIA or Telcordia standards.

The OM4 patch cords are terminated with standard connectors which gives optimum optical performance.

## Features:

- Multi-Mode Simplex and Duplex Configuration
- High Precision ceramic ferrule with excellent concentricity
- Low smoke zero halogen (LSZH) cable in aqua or purple color
- OM4 fiber conforms to ITU-T G.651.1, TIA/EIA 492AAAC, IEC60793-2-10 A1a.2a

## Specification:

### Cable

CHARACTERISTICS	
Cable Material	LSZH
Strength Member	Aramid
Jacket Color	Acqua / Violet
Jacket Thickness (mm)	0.45 +/- 0.05
Operating Temperature (°C)	-40 to 85
Cable Diameter (mm)	2.0 mm

### Fiber

CHARACTERISTICS	
Test standard	IL<=0.3dB @ 850nm
Core Diameter	50 microns
Cladding Diameter	125 microns
Bandwidth	4700 MHz·km at 850 nm 500 MHz·km at 1300 nm
Wavelengths	Optimized for 850 nm, can also be used at 1300 nm
Maximum Distance	850 nm: 150 meters (10 Gb/s), 550 meters (1 Gb/s) 1300 nm: 550 meters
End surface test is according to	WI-QJ-021
Fiber cable according to	IEC 60793-2; ROHS Compliant
Jacket Thickness (mm)	0.45 +/- 0.05
Operating Temperature (°C)	-20 to 60

### Connector

CHARACTERISTICS	
Insertion Loss	Typical: <0.2dB, Max. 0.3dB
Return Loss	>=30dB
Connector Ferrule	Ceramic

## Ordering Information:

Connector A		Connector B		MODE		Cable Configuration		Cable Colour		Cable Length	
SC	SC	SC	SC	OM4	OM4	S	Simplex	EV	Violet	1	1 meter
LC	LC	LC	LC			D	Duplex			2	2 meter
ST	ST	ST	ST							3	3 meter
MTRJ	MTRJ	MTRJ	MTRJ							5	5 meter
FC	FC	FC	FC							10	10 meter
MU	MU	MU	MU							xx	xx meter

## Example Part Number

LC	SC	OM4	D	EV	2
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LCSCOM4DEV2 → LC to SC OM4 LSZH patch cord duplex color violet, 2 meter