

# OM1 - 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 OM1 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
- OM1 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	Orange
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	62.5 microns
Cladding Diameter	125 microns
Bandwidth	Up to 200 MHz·km at 850 nm
Wavelengths	850 nm and 1300 nm
Maximum Distance	850 nm: 300 meters 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	OM1	OM1	S	Simplex	OR	Orange	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	OM1	D	OR	2
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LCSCOM1DOR2 → LC to SC OM1 LSZH patch cord duplex color orange, 2 meter