



Multimode patch cords are used to connect high speed and legacy networks like 10/40/100 gigabit ethernet, fast ethernet and ethernet. Multimode patch cords are manufactured using LSZH cable and conform to Telcordia, EIA TIA or IEC standards. The OM4 patch cords are terminated with standard connectors which gives optimum optical performance.

## Features

- FC, LC, MTRJ, SC, and ST connectors
- Low smoke zero halogen (LSZH) cable in aqua or erika violet colour
- 900 µm / 600 µm tight buffer
- OM4 fibre conforms to ITU-T G.651.1, TIA/EIA 492AAAD, IEC60793-2-10 A1a.3a
- Simplex and duplex assembly options
- SC and LC duplex assemblies available with clips
- Higher optical performance available on request
- Armoured option also available
- REACH, RoHS & SvHC materials compliant

## Applications

- For use in 10Gb/s high speed LAN networks over a 400m indicative link length at 850nm (SX) wavelength using a laser launch
- For use in 1Gb/s high speed LAN networks over a 1000m indicative link length at 850nm (SX) wavelength using a laser launch
- High speed and legacy networks including Gigabit Ethernet, Fast Ethernet and Ethernet
- Data centers
- Premises cabling in data networks including backbone, riser and horizontal
- Supports video, data and voice services

## Specification

### Connector Specification

#### OPTICAL PERFORMANCE MULTIMODE CONFORMANCE

IL Max/Master (Acceptance)	0.25dB	IEC 61300-3-4
Ave/Master	0.15dB	IEC 61300-3-4
Ave/Random	0.20dB	IEC 61300-3-34

Note: Return Loss >28dB based on sample data using method IEC 61300-3-6

### Cable Specification

CHARACTERISTICS	SIMPLEX	DUPLEX
Cable Material	LSZH	LSZH
Strength Member	Aramid	Aramid
Crush (N)	1000	1000
Operating Temperature (°C)	-20 to 60	-20 to 60
Fire Specification	IEC 60332-1	IEC 60332-1

### Fibre Specification

#### CHARACTERISTICS

Attenuation (dB / km)	2.8 @ 850nm / 0.8 @ 1310nm
Bandwidth OFL (MHz x km)	3500 @ 850nm / 500 @ 1310nm
Bandwidth LEMB (MHz X km)	4700 @ 850nm

## Ordering Information

Connector End A		Connector End B		Mode		Cable Configuration		Cable Colour		Cable Length	
FC	FC	FC	FC	OM4	OM4	S	Simplex	AQ	Aqua	1	1 metre
LC	LC	LC	LC	RM4	OM4 RBS	D	Duplex	PU	Purple	2	2 meter
MTRJ	MTRJ	MTRJ	MTRJ			FD	Flat Duplex			3	3 meter
SC	SC	SC	SC							5	5 meter
ST	ST	ST	ST							10	10 meter

\* MTRJ is only available in MiniZip duplex, insertion loss  $\leq 0.5$  dB

### Example Part Number

LC

SC

OM4

D

AQ

3

This part number has created a 3 metre duplex LC to SC OM4 LSZH patch cord in aqua.

SCAN QR FOR PRODUCT PAGE



### Further Information

- For additional information please contact your sales representative
- Downloaded from <http://www.fibrefab.com/products/patch-cords/om4-simplexduplex-patch-cord/>
- FibreFab reserves the right to make changes to the product specifications in this datasheet at any time without notice
- Information in this document is correct as of November 6, 2015

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