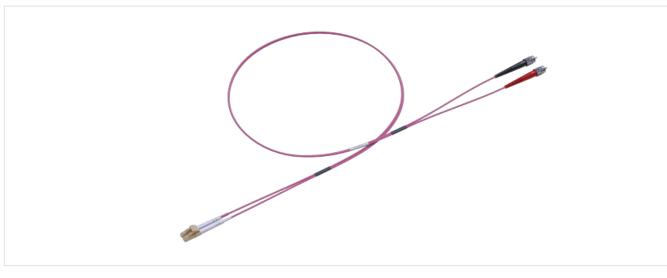
# **OM4 Simplex/Duplex Patch Cord Datasheet**





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**

1	Connector End A		Conno Enc	
FC	FC		FC	FC
LC	LC		LC	LC
MTRJ	MTRJ		MTRJ	MTRJ
SC	SC		SC	SC
ST	ST		ST	ST

Mode		
OM4	OM4	
RM4	OM4 RBS	

Cable Configuration	
S	Simplex
D	Duplex
FD	Flat Duplex

Cable Colour	
AQ	Aqua
PU	Purple

Cable Length	
1	1 metre
2	2 meter
3	3 meter
5	5 meter
10	10 meter

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

Example Part Number

LC SC OM4 D AQ 3

SCAN QR FOR PRODUCT PAGE



# **Further Information**

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

- 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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