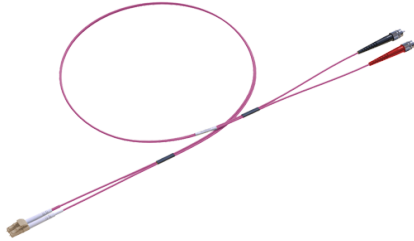


OM4 Simplex/Duplex Enhanced Patch Cord



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 for internal use using LSZH, OFNR or OFNP cable and conform to EIA TIA or IEC standards. The OM4 enhanced patch cords are terminated with optimized connectors which gives optimum optical performance.

FEATURES/BENEFITS

- E2000, FC, LC, MTRJ, SC, and ST connectors
- Low smoke zero halogen (LSZH), Riser (OFNR) or Plenum (OFNP) cable in aqua or erika violet color
- 900 μm / 600 μm tight buffer
- OM4 fiber 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
- REACH, RoHS & SvHC materials compliant

APPLICATIONS

- For use in 10Gb/s high speed LAN networks over a 400 m indicative link length at 850 nm (SX) wavelength using a laser launch
- For use in 1Gb/s high speed LAN networks over a 1000 m indicative link length at 850 nm (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

SPECIFICATIONS

Connector Specification

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

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

Cable Specification

CHARACTERISTICS	SIMPLEX	DUPLEX
Cable Material	LSZH/OFNR/OFNP	LSZH/OFNR/OFNP
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

Fiber Specification

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

ORDERING INFORMATION

Connector End A		Connector End B		Mode		Cable Configuration		Cable Colour		Cable Length	
FC	FC	FC	FC	OM4	OM4	S	Simplex LSZH	AQ	Aqua	1	1 metre
LC	LC	LC	LC			D	Duplex LSZH	EV	Erica Violet	2	2 metre
MTRJ	MTRJ	MTRJ	MTRJ			FD	Flat Duplex LSZH			3	3 metre
SC	SC	SC	SC			SR	Simplex Riser			5	5 metre
ST	ST	ST	ST			DR	Duplex Riser			10	10 metre
MU	MU	MU	MU			SP	Simplex Plenum			XX	Specify
E2	E2**	E2	E2**			DP	Duplex Plenum				

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

** E2000 supplied as RdM E2000 connectors - not available when combined with MTRJ or MU

Example Part Number

LC	SC	OM4	D	AQ	3
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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
- To view the product 360 visit the product page (Scan the QR code or visit the link below)
- Downloaded from <https://www.aflhyperscale.com/product/om4-simplex-duplex-patch-cord>
- AFL Hyperscale reserves the right to make changes in this datasheet at any time without notice
- Information in this document is correct as of February 12, 2019

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