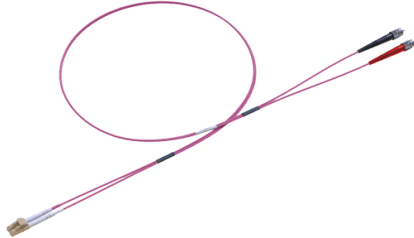


# OM4 Simplex/Duplex Enhanced Patch Cord



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  $\mu\text{m}$  / 600  $\mu\text{m}$  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  $\geq 28$ 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

Code	Cable Type	Jacket Material		Color		Code	End A	End B	Code	Unit	Length			
P4	AH1	Simplex 2mm	L	LSZH	C	AQUA	E	A LC	A LC	-0000-	M	Meters	1	1
	AK1	Simplex 3mm	R	OFNR	D	ERIKA VIOLET		D SC	D SC		F	Feet	2	2
	AQ2	ZIP 2mm						H FC	H FC				3	3
	AT2	ZIP 3mm						K ST	K ST				5	5
	AU2	Flat 2mm						L E2	L E2				10	10
	AV2	Flat 2.8mm											XX	Specify

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



SCAN QR FOR PRODUCT PAGE

- 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>
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- Information in this document is correct as of October 28, 2019

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