

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

- 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
- Reduced Bend Sensitivity (RBS) OM4 fiber used as standard
- Simplex and duplex assembly options
- SC and LC duplex assemblies available with clips
- Higher optical performance available on request
- REACH, RoHS & SvHC materials compliant

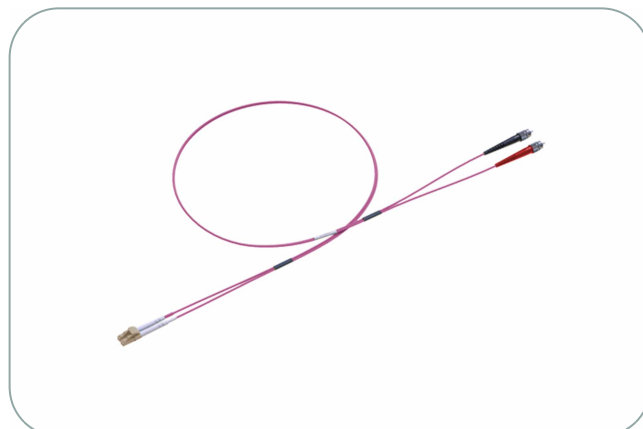
Applications

- 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 $\geq 28\text{dB}$ 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	OM4 OM4	S Simplex LSZH	AQ Aqua	1 1 metre
LC	LC		D Duplex LSZH	EV Erica Violet	2 2 metre
MTRJ	MTRJ		FD Flat Duplex LSZH		3 3 metre
SC	SC		SR Simplex Riser		5 5 metre
ST	ST		DR Duplex Riser		10 10 metre
MU	MU		SP Simplex Plenum		xx Specify
E2	E2**		DP Duplex Plenum		

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