

OM3 Simplex/Duplex Enhanced Patch Cord

Multimode patch cords are used to connect high speed and legacy networks like 10 gigabit ethernet, fast ethernet and ethernet. The multimode patch cords are manufactured for internal use using LSZH cables which conform to IEC, EIA TIA or Telcordia standards. The OM3 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) cable in aqua or purple color
- 900 µm / 600 µm tight buffer
- OM3 fiber conforms to ITU-T G.651.1, TIA/EIA 492AAAC, IEC60793-2-10 A1a.2a
- Reduced Bend Sensitivity (RBS) fiber used as standard
- Simplex and duplex assemblies
- Duplex assemblies available with clips (SC and LC)
- Different connector performance range for specific application available
- Armoured option also available
- REACH, RoHS & SvHC materials compliant

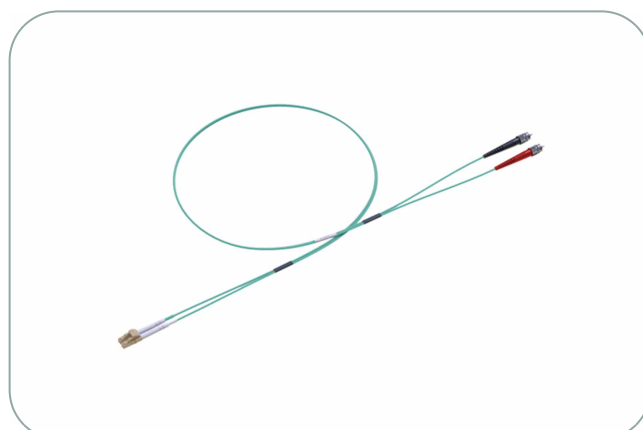
Applications

- For use in 10Gb/s high speed LAN networks over a 300 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



OPTICAL PERFORMANCE	MULTIMODE	CONFORMANCE
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	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

Fiber Specification

CHARACTERISTICS	
Attenuation (dB / km)	2.8 @ 850 nm / 0.8 @ 1310 nm
Bandwidth OFL (MHz x km)	1500 @ 850 nm / 500 @ 1310 nm
Bandwidth LEMB (MHz X km)	2000 @ 850 nm

Ordering Information

Code	Cable Type	Jacket Material	Color	Code	End A	End B	Code	Unit	Length
P3	AH1 Simplex 2mm	L LSZH	C AQUA	E	A LC	A LC	-0000-	M Meters	1 1
	AK1 Simplex 3mm	R OFNR	A PURPLE		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	OM3	OM3	S	Simplex LSZH	AQ	Aqua	1	1 metre
LC	LC	LC	LC			D	Duplex LSZH	PU	Purple	2	2 metre
MTRJ	MTRJ	MTRJ	MTRJ			FD	Flat Duplex LSZH			3	3 metre
SC	SC	SC	SC							5	5 metre
ST	ST	ST	ST							10	10 metre
MU	MU	MU	MU							xx	Specify
E2	E2**	E2	E2**								

* 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	OM3	D	AQ	3
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This part number has created a 3 metre duplex LC to SC OM3 LSZH patch cord in aqua.