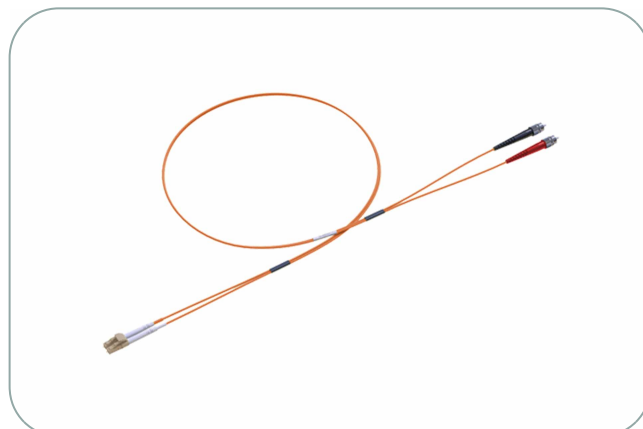# OM1 Simplex/Duplex Enhanced Patch Cord

Multimode patch cords are used to connect high speed and legacy networks like 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 OM1 enhanced patch cords are terminated with optimized connectors which give optimum optical performance.

Features

- SC, LC, ST, FC and MTRJ connectors
- Low smoke zero halogen (LSZH) cable in orange color
- 900 µm / 600 µm tight buffer
- OM1 fiber conforms to TIA/EIA 492AAAA, IEC60793-2-10 A1b
- 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

- Gigabit Ethernet in high speed LAN networks over an indicative 275 m link length at 850 nm (SX) wavelength
- Legacy networks including Ethernet, Fast Ethernet and FDDI
- 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

FAFL AFL

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)	3.0 @ 850 nm / 0.8 @ 1300 nm
Bandwidth OFL (MHz x km)	200 @ 850 nm / 500 @ 1300 nm

Ordering Information

Code	Cable Type		Code	End A		End B		Code	Unit		Length	
P1	AH1	Simplex 2mm	L2E	A	LC	A	LC	-0000-	M	Meters	1	1
	AK1	Simplex 3mm		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		N	MTRJ F*	N	MTRJ F*				10	10
	AV2	Flat 2.8mm		P	MTRJ M*	P	MTRJ M*				XX	Specify

Legacy ordering information

Connector End A		Connector End B		Mode		Cable Configuration		Cable Colour		Cable Length	
FC	FC	FC	FC	62	OM1	S	Simplex	OR	Orange	1	1 metre
LC	LC	LC	LC			D	Duplex			2	2 metre
MTRJ	MTRJ	MTRJ	MTRJ			FD	Flat Duplex			3	3 metre
SC	SC	SC	SC							5	5 metre
ST	ST	ST	ST							10	10 metre
										xx	Specify

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

Example Part Number

LC	SC	62	D	OR	3

This part number has created a 3 metre duplex LC to SC OM1 LSZH patch cord in orange.