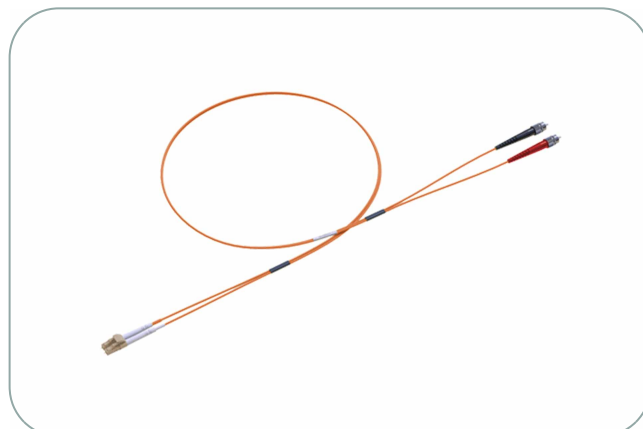


# OM2 Simplex/Duplex Enhanced Patch Cord

Multimode enhanced patch cords are used to connect high speed and legacy networks like gigabit ethernet, fast ethernet and ethernet. Multimode patch cords are manufactured for internal use using LSZH cable and conform to IEC, EIA TIA or Telcordia standards. OM2 patch cords are terminated with optimized connectors giving optimum optical performance.



## Features

- FC, LC, MTRJ, SC and ST connectors
- Low smoke zero halogen (LSZH) cable in orange color
- 900 µm / 600 µm tight buffer
- OM2 fiber conforms to ITU-T G.651.1, TIA/EIA 492AAAB, IEC60793-2-10 A1a.1a
- Simplex and duplex assembly options
- SC and LC duplex assemblies available with clips
- Higher optical performance available on request
- Armoured option also available
- REACH, RoHS & SvHC materials compliant

## Applications

- For use in 1 Gb/s high speed LAN networks over a 550 m indicative link length at 850 nm 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

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

### Cable Specification

CHARACTERISTICS	
Cable Material	LSZH

CHARACTERISTICS		
Strength Member		Aramid
Crush (N)		1000
Operating Temperature (°C)		-20 to 60
Fire Specification		IEC 60332-1

### Fiber Specification

CHARACTERISTICS		
Attenuation (dB / km)		2.8 @ 850 nm / 0.8 @ 1300 nm
Bandwidth OFL (MHz x km)		500 @ 850 nm / 500 @ 1300 nm

### Ordering Information

Code	Cable Type	Code	End A	End B	Code	Unit	Length
P2	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	50	OM2	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  $\leq$  0.5 dB

### Example Part Number

LC	SC	50	D	OR	3
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This part number has created a 3 metre duplex LC to SC OM2 LSZH patch cord in orange.