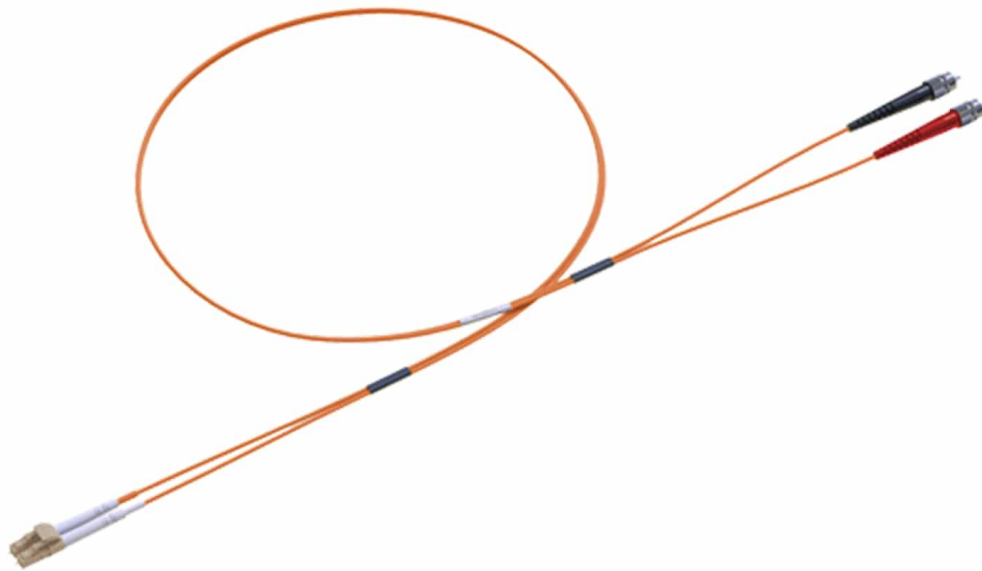## OM2 Simplex/Duplex Enhanced Patch Cord

Description

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 and Benefits

- FC, LC, MTRJ, SC and ST connectors
- 900 µm / 600 µm tight buffer

- Simplex and duplex assembly options
- Higher optical performance available on request
- REACH, RoHS & SvHC materials compliant

- Low smoke zero halogen (LSZH) cable in orange color
- OM2 fiber conforms to ITU-T G.651.1, TIA/EIA 492AAAB, IEC60793-2-10 A1a.1a
- SC and LC duplex assemblies available with clips
- Armoured option also available

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
- Data centers
- Supports video, data and voice services
- High speed and legacy networks including Gigabit Ethernet, Fast Ethernet and Ethernet
- Premises cabling in data networks including backbone, riser and horizontal

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 ≥28 dB based on sample data using method IEC 61300-3-6

Cable Specification

CHARACTERISTICS		
Cable Material	LSZH	
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

AFL HYPERSCALE®

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 ≤ 0.5 dB

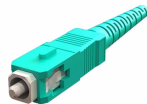## Example Part Number

LC	SC	50	D	OR	3

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

Related Products

LC Connectors

SC Connector

ST Connectors

FC Connectors

FCP2 Fiber Cleaning Kit for SC/ST/FC/LC

FCP2 Fiber Cleaning Kit for SC/ST/FC/LC/MPO

One-Click® Cleaner D-LC, Duplex LC

FOCIS Flex Fiber Scope