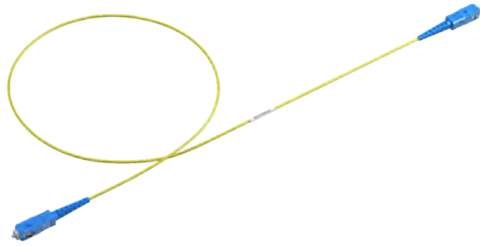


Product updated on October 10, 2018

OS2 SM Simplex/Duplex Enhanced Patch Cord



Single mode patch cords are used for telecom networks and also used for high speed metropolitan and access network. The single mode patch cords are manufactured using LSZH cables which conform to IEC, EIA TIA or Telcordia standards. The OS2 enhanced patch cords are terminated with optimized connectors which give optimum optical performance.

FEATURES/BENEFITS

- E2000, FC, LC, MTRJ, MU, SC and ST connectors
- UPC and APC connectors
- Low smoke zero halogen (LSZH) jacket in yellow color
- 900 μm or 600 μm tight buffer
- OS1/OS2 cabled fiber conforms to ITU-T G.652D, TIA/EIA 492 CAAB, ITU-T G.657A1 or A2
- 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

- CATV / Video
- Passive Optical Network PON
- WDM / DWDM
- FTTH
- Data centers
- Supports high speed multi channel video, data and voice services in metropolitan and access networks
- ATM, SONET and WDM

SPECIFICATIONS

Connector Specification

OPTICAL PERFORMANCE	SINGLE MODE	CONFORMANCE
IL Max/Master (Acceptance)	0.25 dB	IEC 61300-3-4
Ave/Master	0.18 dB	IEC 61300-3-4
Ave/Random	0.18 dB	IEC 61300-3-34
Return Loss	55/65 dB	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)	0.38 @ 1310 nm / 0.25 @ 1550 nm
Chromatic Dispersion (ps/nm x km)	3.0 @ 1310 nm / 18.0 @ 1550 nm

ORDERING INFORMATION

Connector End A		Connector End B		Mode		Cable Configuration		Cable Colour		Cable Length	
FC	FC	FC	FC	09	G.652D	S	Simplex	YE	Yellow	1	1 metre
FCA	FCA	FCA	FCA	7A1	G.657A1	D	Duplex			2	2 metre
LC	LC	LC	LC	7A2	G.657A2	FD	Flat Duplex			3	3 metre
LCA	LCA	LCA	LCA							5	5 metre
MTRJ	MTRJ*	MTRJ	MTRJ*							10	10 metre
MU	MU	MU	MU							XX	Specify
SC	SC	SC	SC								
SCA	SCA	SCA	SCA								
ST	ST	ST	ST								
E2	E2**	E2	E2**								
E2A	E2A**	E2A	E2A**								

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

** E2000 supplied as RdM E2000 connectors. Not available in combination with MTRJ or MU.

Example Part Number

FC	SC	09	S	YE	3
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This part number has created a 3 metre simplex FC to SC OS1/OS2 patch cord in yellow.



FURTHER INFORMATION

- For additional information please contact your sales representative
- To view the product 360 visit the product page (Scan the QR code or visit the link below)
- Downloaded from <https://www.afllhyperscale.com/product/os2-sm-simplex-duplex-patch-cord>
- AFL Hyperscale reserves the right to make changes in this datasheet at any time without notice
- Information in this document is correct as of October 10, 2018

SCAN QR FOR PRODUCT PAGE

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