



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

Features

- SC, LC, ST, FC MU and E2000 connectors
- UPC and APC connectors
- Low smoke zero halogen (LSZH) jacket in yellow colour
- 900µm tight buffer
- OS1/OS2 fibre conforms to ITU-652.D, TIA/EIA 492 CAAA
- Simplex and duplex assemblies
- Duplex assemblies available with clips (SC and LC)
- Different connector performance range for specific application
- Armoured option also available

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

Specification

Connector Specification

OPTICAL PERFORMANCE SINGLEMODE CONFORMANCE

IL Max/Master (Acceptance)	0.25dB	IEC 61300-3-4
Ave/Master	0.18dB	IEC 61300-3-4
Ave/Random	0.18dB	IEC 61300-3-34
Return Loss	55/65dB	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

Fibre Specification

CHARACTERISTICS

Attenuation (dB) / km	0.38 @ 1310nm / 0.25 @ 1550nm
Chromatic Dispersion (ps/nm x km)	3.0 @ 1310nm / 18.0 @ 1550nm

Ordering Information

Connector End A		Connector End B		Mode	Cable Configuration		Cable Colour		Cable Length	
FC	FC	FC	FC	09 OS1/OS2	S	Simplex	YE	Yellow	1	1 metre
FCA	FCA	FCA	FCA		D	Duplex			2	2 meter
SC	SC	SC	SC		FD	Flat Duplex			3	3 meter
SCA	SCA	SCA	SCA						5	5 meter
ST	ST	ST	ST						10	10 meter
LC	LC	LC	LC						xx	Specify
LCA	LCA	LCA	LCA							
MU	MU	MU	MU							
MTRJ	MTRJ*	MTRJ	MTRJ*							
E2	E2000	E2	E2000							

* MTRJ is only available in MiniZip duplex

Example Part Number

FC**SC****09****S****YE****3**

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
- Downloaded from <http://www.fibrefab.com/products/patch-cords/os2-sm-simplexduplex-patch-cord/>
- FibreFab reserves the right to make changes to the product specifications in this datasheet at any time without notice
- Information in this document is correct as of June 11, 2014

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