



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 patch cords are terminated with standard connectors which give optimum optical performance.

## Features

- FC, LC, MTRJ, MU, SC and ST connectors
- UPC and APC connectors
- Low smoke zero halogen (LSZH) jacket in yellow colour
- 900µm or 600µm tight buffer
- OS1/OS2 cabled fibre conforms to ITU-T G.652D, TIA/EIA 492 CAAB or ITU-T G.657A1
- 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 centres
- 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	
<b>FC</b>	FC	<b>FC</b>	FC	<b>09</b>	G.652D	<b>S</b>	Simplex	<b>YE</b>	Yellow	<b>1</b>	1 metre
<b>FCA</b>	FCA	<b>FCA</b>	FCA	<b>7A1</b>	G.657A1	<b>D</b>	Duplex			<b>2</b>	2 meter
<b>LC</b>	LC	<b>LC</b>	LC			<b>FD</b>	Flat Duplex			<b>3</b>	3 meter
<b>LCA</b>	LCA	<b>LCA</b>	LCA							<b>5</b>	5 meter
<b>MTRJ</b>	MTRJ*	<b>MTRJ</b>	MTRJ*							<b>10</b>	10 meter
<b>MU</b>	MU	<b>MU</b>	MU							<b>xx</b>	Specify

<b>SC</b>	SC	<b>SC</b>	SC
<b>SCA</b>	SCA	<b>SCA</b>	SCA
<b>ST</b>	ST	<b>ST</b>	ST

\* MTRJ is only available in MiniZip duplex

### Example Part Number

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

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### 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 August 26, 2015

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