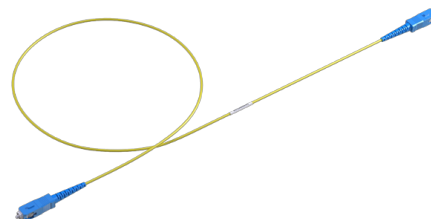


Product Datasheet

OS2 SM Simplex/Duplex 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 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	
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 meter
LC	LC	LC	LC			FD	Flat Duplex			3	3 meter
LCA	LCA	LCA	LCA							5	5 meter
MTRJ	MTRJ*	MTRJ	MTRJ*							10	10 meter
MU	MU	MU	MU							xx	Specify
SC	SC	SC	SC								
SCA	SCA	SCA	SCA								
ST	ST	ST	ST								

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

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

- Information correct as of October 29, 2015