

# 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 or EIA TIA standards. The singlemode enhanced patch cords are terminated with optimized connectors which give optimum optical performance.

## Features

- 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
- Singlemode 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

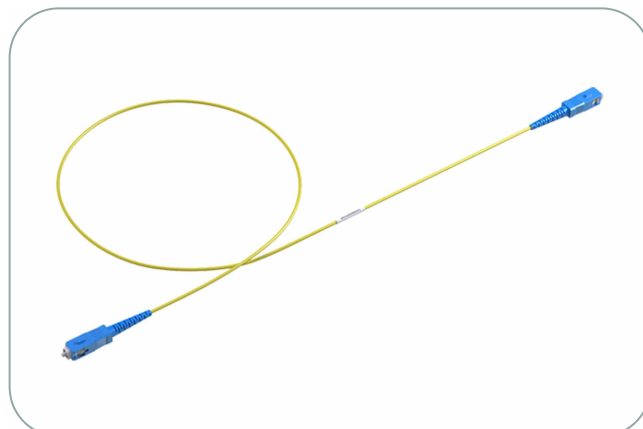
## Applications

- 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

Code	Fibre Type		Cable Type		Code	Connector End A		Connector End B		Code	Unit		Length	
P	9	G.652D	AH1	Simplex 2mm	L9E	A	LC	A	LC	-0000-	M	Meters	1	1
	7	G.657A1	AK1	Simplex 3mm		B	LCA	B	LCA		F	Feet	2	2
	8	G.657A2	AQ2	ZIP 2mm		D	SC	D	SC				3	3
			AT2	ZIP 3mm		E	SCA	E	SCA				5	5
			AU2	Flat 2mm		H	FC	H	FC				10	10
			AV2	Flat 2.8mm		J	FCA	J	FCA				xx	Specify
						K	ST	K	ST					
						L	E2	L	E2					
						M	E2A	M	E2A					
						N	MTRJ F*	N	MTRJ F*					
						P	MTRJ M*	P	MTRJ M*					

## Legacy 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**								

