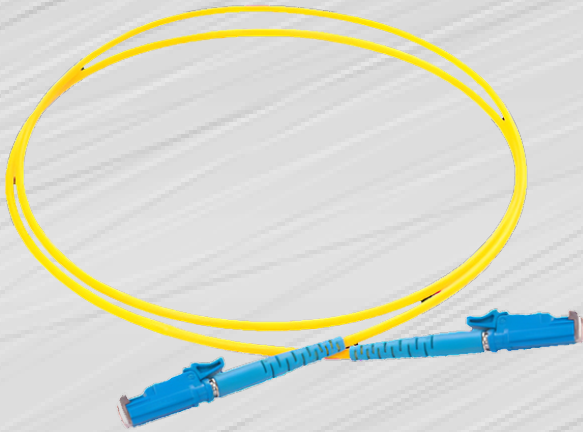


## Fiber optic assemblies & components

# Singlemode Patch Cords



We offer a wide range of patch cords, designed and manufactured for demanding LAN and telecom applications. It comprises of singlemode OS1 (9/125um) and OS2.

Available in simplex and duplex with the following connector types: ST, SC, LC, FC, E2000, SMA, MTRJ, MU and more, in UPC and APC. Colored jacket, 2mm or 2.8mm or 3mm available upon request

### Features & Benefits

- ISO certified laboratory
- 100% tested on optical performance (Insertion Loss & Return Loss)
- End-face geometry requirement comply to Telcordia GR-326-CORE
- Compliant with RoHS, IEC 874-14, TIA/EIA-568-B.3 and ISO/IEC 11801, IEC-61754-7, TIA-604-5
- For end-to-end fibre cable connectivity
- High concentricity 2.5mm ceramic ferrule for FC, ST, SC
- Corning fibre available for selection G. 652-D is our and 1.25mm ceramic ferrule Zirconia for LC and MU
- Available in Single mode OS1 (9/125) and OS2
- Cable outer jacket available in Riser (OFNR), Low Smoke Zero Halogen (LSZH), Plenum (OFNP)
- Standard colour is Yellow, other colours available upon request
- Coloured connector boot for easy identification for Singlemode with APC connectors
- Customer specified length
- Corning fibre available for selection G. 652-D is our standard but available in G. 652-B, G. 655, G. 657B3












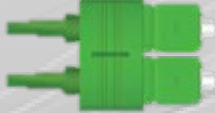



## Fiber optic assemblies & components

# Singlemode Patch Cords

### Technical Specifications

Insertion Loss (dB)	Typical 0.2 (PC/UPC)
Return Loss (dB)	Typical 50 dB, Maximum 60dB (APC)
Maximum Tensile Load	100N/cm
Apex Offset	≤50um, ≤100um
Connector Types	APC, UPC, PC
Fire Performance	LSZH
Operating Temperature	-40°C to +80°C
Radius of Curvature	10-25mm, 5-15mm
Attenuation in 1330/1550	0.38/0.24
Fibre Spherical Height	-90nm, +50nm
Strength Members	Aramid
Fire Resistance	IEC 60332-1
Angular Offset	8°±0.5°C (APC)

### Common Connector Types

E2000 simplex	E2000/APC Simplex	MTRJ
		
FC Simplex	FC/APC Simplex	SC Simplex
		
LC Simplex	LC/APC Simplex	SC Duplex
		
MU	SC/APC Simplex	SC/APC Duplex
		
LC Duplex	LC/APC Duplex	ST Simplex
		

Note: Listed above are our standard connector types. Should you require a connector type that isn't in the table above, please contact us as more types are available in most combinations.

## Fiber optic assemblies & components

# Singlemode Patch Cords

### Ordering Information

Connector A	Patch panel type	Colour	Connector b	Fiber type	Fiber length
FC	Simplex <b>SPC</b>	Yellow (Singlemode Standard)	FC	OS1	1m
ST (UPC Only)	Duplex <b>DPC</b>	Orange (OM1/OM2 Standard)	ST	OS2	2m
SC		Aqua(OM3/OM4 Standard)	SC	G652	3m
LC		Red	LC	G655	4m
E2000		Black	E2000	G656	5m
MU		Grey	MU	G657	10m
MTRJ (Duplex Only)		Blue	MTRJ		15m
APC		Green	APC		20m
					...
					100m

For any queries, please contact Technoline Solutions team using the details below.