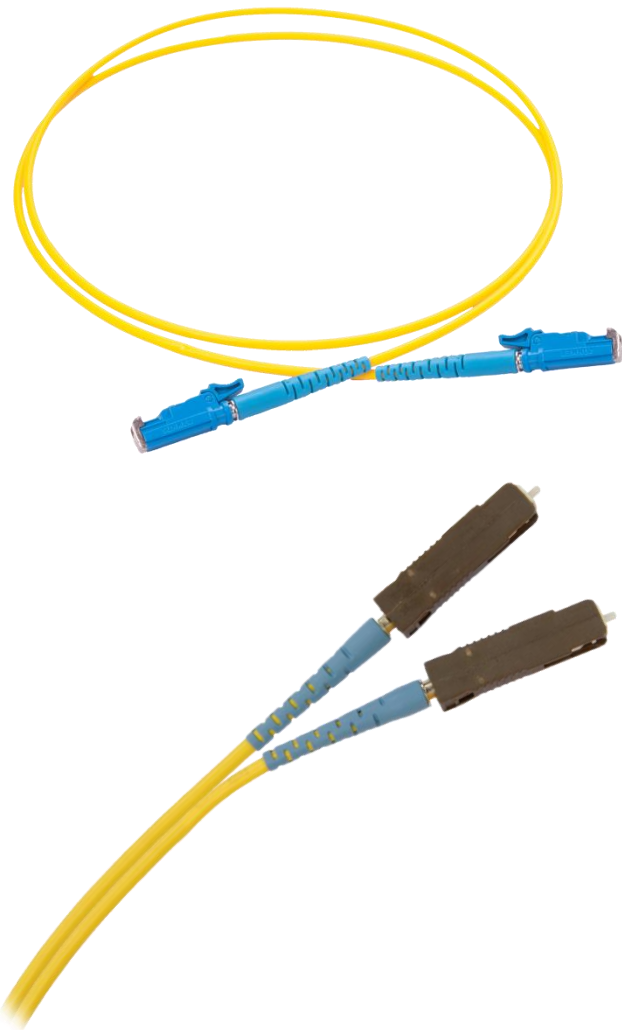


## Fibre Optic Assemblies & Components

# Singlemode Patch Cords



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

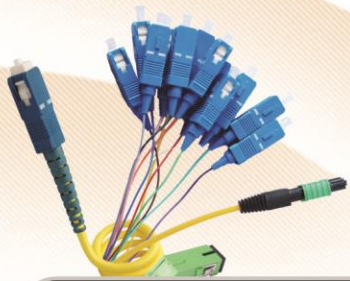
Available in simplex and duplex with the following connector types: ST, SC, LC, FC, E2000, SMA, MTRJ, MU and more, in UPC and APC. Colored jacket, 2mm or 2.8mm or 3mm available upon request.

### 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 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

### 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° (APC)                     |



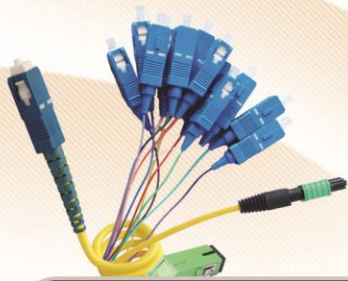
## Fibre Optic Assemblies & Components

# Singlemode Patch Cords

### Common Connector Types

|                                                                                     |                                                                                     |                                                                                      |                                                                                      |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| E2000 Simplex                                                                       | E2000/APC Simplex                                                                   | MTRJ                                                                                 | MU                                                                                   |
|    |    |    |   |
| FC Simplex                                                                          | FC/APC Simplex                                                                      | SC Simplex                                                                           | SC/APC Simplex                                                                       |
|    |    |    |   |
| LC Simplex                                                                          | LC/APC Simplex                                                                      | SC Duplex                                                                            | 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.



## Fibre Optic Assemblies & Components

# Singlemode Patch Cords

### Ordering Information

Use the formula below to create the part number.

| Connector A        |                            | Patch Cord |     | Colour                       |     |
|--------------------|----------------------------|------------|-----|------------------------------|-----|
| FC                 | FC                         | Simplex    | SPC | Yellow (Singlemode Standard) | YEL |
| ST (UPC Only)      | ST                         | Duplex     | DPC | Orange (OM1/OM2 Standard)    | OR  |
| SC                 | SC                         |            |     | Aqua (OM3/OM4 Standard)      | AQ  |
| LC                 | LC                         |            |     | Red                          | RE  |
| E2000              | E2                         |            |     | Black                        | BLK |
| MU                 | MU                         |            |     | Grey                         | GY  |
| MTRJ (Duplex Only) | MTRJ                       |            |     | Blue                         | BL  |
|                    |                            |            |     | Green                        | GR  |
| APC                | +A (i.e. "SCA" for SC/APC) |            |     |                              |     |

|    |    |     |     |     |    |
|----|----|-----|-----|-----|----|
| LC | SC | DPC | OS1 | YEL | 03 |
|----|----|-----|-----|-----|----|

| Connector B        |                            | Fibre Type |     | Length |     |
|--------------------|----------------------------|------------|-----|--------|-----|
| FC                 | FC                         | OS1        | OS1 | 1m     | 01  |
| ST (UPC Only)      | ST                         | OS2        | OS2 | 2m     | 02  |
| SC                 | SC                         | G652       | 652 | 3m     | 03  |
| LC                 | LC                         | G655       | 655 | 4m     | 04  |
| E2000              | E2                         | G656       | 656 | 5m     | 05  |
| MU                 | MU                         | G657       | 657 | 10m    | 10  |
| MTRJ (Duplex Only) | MTRJ                       |            |     | 15m    | 15  |
|                    |                            |            |     | 20m    | 20  |
| APC                | +A (i.e. "SCA" for SC/APC) |            |     | ...    | ... |
|                    |                            |            |     | 100m   | 100 |

Example: **LCSCDPCOS1YEL03** – LC-SC OS1 Duplex Patch Cord Yellow Jacket 3m

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