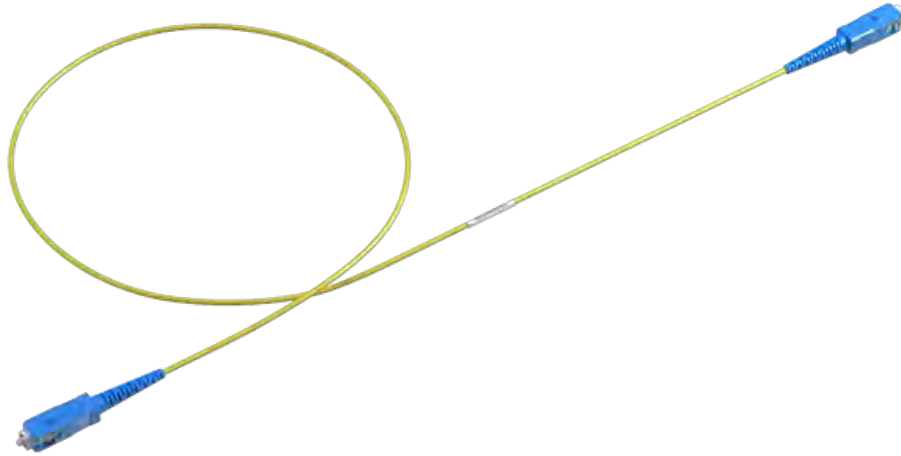




OS2 SM Simplex/Duplex Patch Cord



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

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 | | /Z |
|-----------------|-------|-----------------|-------|------------|---------------------|-------------|--------------|--------|--------------|----------|----|
| FC | FC | FC | FC | 09 OS1/OS2 | S | Simplex | YE | Yellow | 1 | 1 metre | |
| FCA | FCA | FCA | FCA | | D | Duplex | | | 2 | 2 meter | |
| SC | SC | SC | SC | | FD | Flat Duplex | | | 3 | 3 meter | |
| SCA | SCA | SCA | SCA | | | | | | 5 | 5 meter | |
| ST | ST | ST | ST | | | | | | 10 | 10 meter | |
| LC | LC | LC | LC | | | | | | xx | Specify | |
| LCA | LCA | LCA | LCA | | | | | | | | |
| MU | MU | MU | MU | | | | | | | | |
| MTRJ | MTRJ* | MTRJ | MTRJ* | | | | | | | | |
| E2 | E2000 | E2 | E2000 | | | | | | | | |

* MTRJ is only available in MiniZip duplex

EXAMPLE PART NUMBER

| | | | | | | |
|----|----|----|---|----|---|----|
| FC | SC | 09 | S | YE | 3 | /Z |
|----|----|----|---|----|---|----|

This part number has created a 3 metre simplex FC to SC OS1/OS2 patch cord in yellow.

Please contact our sales team on +44 (0) 1908 441 121 for further ordering information.

CONTACT OUR SALES TEAM TODAY

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