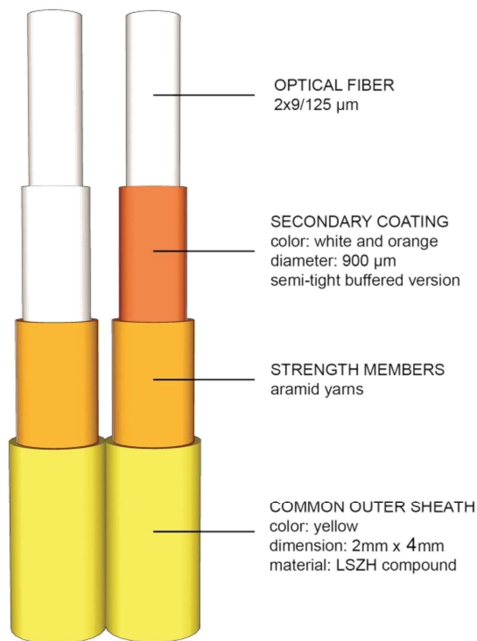
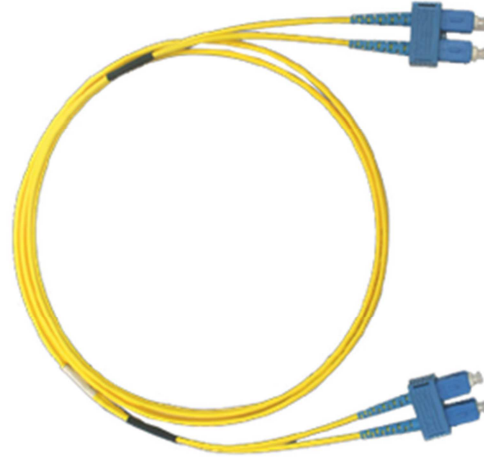
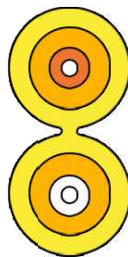


P/N : JxxX xxX yyy HG MONO

Optical high performance low loss OS2 single mode patchcords



Fiber cable construction



P/N: JSCSC2HGMONO
LC/LC UPC High Grade low loss duplex yellow patch cord OS2

Applications

The MMC uniboot high grade (HG) low loss range of optical patchcords is ideal for 40G & 100G singlemode applications. They are part of the complete optical link and suit all types of OS2 or OS1 networks, such as FTTx, Telecom, LAN (local Area Network), WAN (Wide Area Network) and MAN (Metropolitan Area Network).

General Characteristics

- Optically and mechanically compatible with all the equivalent connectors.
- Optical patch cords with 4 connectors with ceramic ferrule (ZrO₂) and plastic body or metal body
- Single mode 9/125 OS2 ITU-T-G657 A1 (fully compatible with G652D) 2mm duplex optical patch cords
- Special accuracy photonics duplex fiber with LSOH sheath with aramid yarns strength members.
- Individual interferometry test report (end surface 3D drawing with geometrical data)
- Available in different lengths
- Packaging : unit

Standards compliance

Conformity to:

- IEC 60874-14, IEC 61754-4, IEC 60793-2-50 type B1.3 and B6.A,
- UL 1666/901 (when UL cable is used and TIA/EIA 455)
- ISO/IEC 11801 2nd Ed Amd 1.0, Amd 2.0
- ITU-T G.652D
- Bellcore/Telcordia GR-326, GR-409-CORE, Telcordia GR-20 CORE
- TIA/EIA 604-3A, TIA/EIA 568, EN 50173
- ROHS compliance on all components and final product,
- With no hazardous substances as detailed in ROHS 2002/95/EC

P/N : JxxX xxX yyy HG MONO

Optical high performance low loss OS2 single mode patchcords

Patch cords general characteristics

| | |
|----------------------------------|---------------------------------|
| Range température : | - 20°C to +60°C, |
| Mating cycles: | 500 cycles |
| Colour of overall sheath (5.8mm) | Yellow |
| Fiber version | Special accuracy photonic fiber |
| Colour of boot | Blue (ST, FC, SC) White (LC) |
| Return Loss | 55/70 dB |
| Insertion Loss (Attenuation) | From 0.10 to 0.20 dB (maxi) |

Connector technical characteristics

| | |
|---------------------|---------------------------------------|
| Type | Grade A connectors, ST, FC, SC or LC |
| Material of ferrule | ZrO ₂ (Zirconia / Ceramic) |
| Connector surface | Convex |
| Connection of fiber | Epoxy |
| Material of body | Plastic (SC, LC) or metal (ST, FC) |
| Mating cycles | 500 |
| Ferrule drilling | 125/126 µm |

Optical cable performances

| Parameters | | Value |
|------------------------------|--------|--------------|
| Core diameter | µm | 9.2 ± 0.4 |
| Cladding diameter | µm | 125 ± 0.3 |
| Cladding non-circularity | % | ≤ 0.7 |
| Core/cladding concentricity | µm | ≤ 0.3 |
| Mode field diameter @ 1310nm | µm | 9.2 +/- 0.4 |
| Mode field diameter @ 1550nm | µm | 10.4 +/- 0.5 |
| PMD link design value | ps/√km | ≤ 0.06 |

Optical cable mechanical properties

| | |
|-------------------|--------------------------|
| Weight | 7.6 kg/km |
| Temperature range | -20°C to +60°C |
| Bending radius | 0.25 to 0.75 dB @ 1550nm |
| Crush resistance | 1000N |

Ordering information

| | |
|--|--|
| Part Numbers structure | JxxX xxX yyy HG MONO |
| Replace xx by the connectors left/right | Standard UPC connectors : ST, FC, SC, LC - APC connectors are : FC, SC, LC |
| Replace yyy by the length in meters | From 1 up to 100 meters |
| Standard lengths (other lengths on request) | 15m / 20m / 25m / 30m / 40m / 50m |