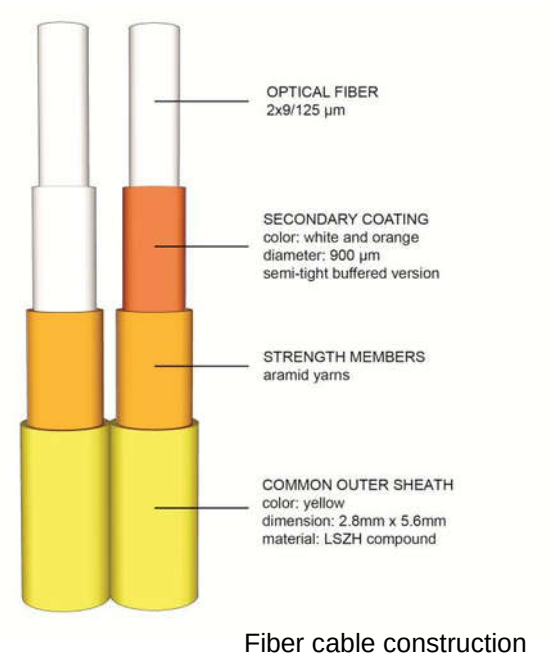
Data Sheet 1/2

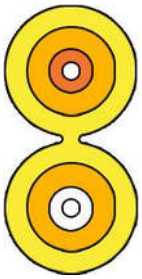
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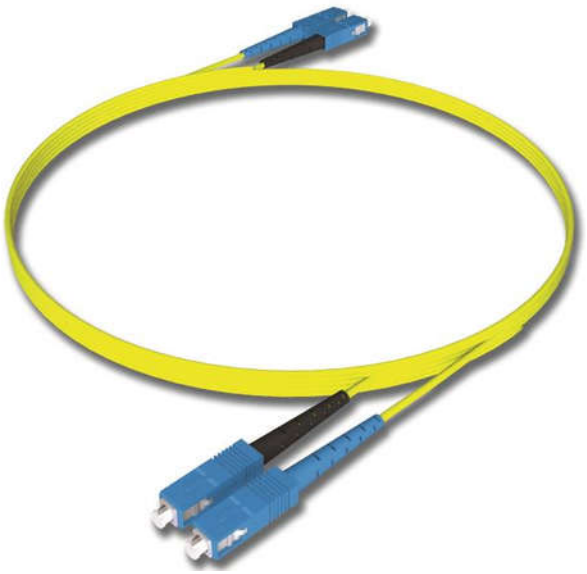
P/N: J xxX xxX yy Dzzzzzzzz

Optical UPC **zipcord** duplex LSZH patchcords



Fiber cable construction





P/N: JSCSC2DMONO
SC/SC duplex yellow patch cord OS2
Duplex clip included (Other connectors available)

Applications

MMC optical patchcords are ideal for all singlemode and multimode applications. These patchcords are a part of the complete optical link and suit all type of networks, like 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 (ZrO_2) and composite body (SC, LC) or metal (ST,FC)
- Duplex optical patch cords
- Duplex LSZH sheath with aramid yarns strength members (Kevlar-type)
- Individual test report and unit packaging
- Available in different lengths

Standards compliance

- IEC 60874-14, IEC 61754-2, -4, -4-7, -4-8, -13, -20, -20-7, -20-8,
- IEC 793, IEC 794-1-E1, IEC 794-1-E3,
- ITU-T G.652D,
- UL 1666/901 (when UL cable is used and TIA/EIA 455)
- ISO/IEC 11801 2nd Ed. Ams 1.0, Amd 2.0
- JIS C5973 F04, ICEA-596
- Bellcore/Telcordia GR-326, GR-409-CORE
- TIA/EIA 604-3, TIA/EIA 568, EN 50173
- ROHS compliance on all components and final product,
- With no hazardous substances as detailed in ROHS 2002/95/EC

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P/N: J xxX xxX yy Dzzzzzzzz

Optical UPC **zipcord** duplex LSZH patchcords

Patch cords general characteristics

Temperature range	- 20°C to +60°C(OM1,OM2,OM3,OM4,OS2) - 5°C to +60°C (OM4A)
Mating cycles	> 500 cycles
Colour of sheath	Yellow (OS2) | Aqua (OM3 OM4A) | Erica Violet (OM4),
Fiber version	3mm (OM3, OM4,OM4A,OS2) | 3mm (ST & SC)
Colour of boots	Black & Red (ST & SC) White(LC)(OM3, OM4,OM4A) | Green & Black (OS2APC) | Blue & Black (OS2)
Return Loss	> 20dB (OM3,OM4) | > 40dB (OS2)
Insertion Loss (Attenuation)	< 0.3 dB(OM3,OM4,OS2) | < 0.25dB (OM4A)

Connectors technical characteristics

Types	ST, SC, LC, FC, MU UPC (other on request)
Material of ferrule	ZrO_2 (Zirconia / Ceramic)
Connector surface	Convex
Fiber's connection	Epoxy
Material of body	Metal (ST, FC) or composite (SC, LC, MU)
Ferrule drilling	125/126µm (OS2) | 127/128µm (OM3,OM4, OM4A)

Optical cable mechanical properties

Weight	15 kg/km
Temperature range	-20°C to +60°C (-5°C to +70°C OM4A)
Bending radius	40 mm
Tensile strength	250N (long term) – 450N (short term)
Crush resistance	1000N/dm (OM3,OM4,OS2) | 2000N/dm (OM4A)

Optical cable performances

Parameters		OM3	OM4	OS2
Core diameter	µm	50	50	9
Cladding diameter	µm	125	125	125
Typ. Attenuation @ 850nm	dB/km	≤ 2.7	≤ 2.7	≤ 0.35
Typ. Attenuation @ 1300nm	dB/km	≤ 0.8	≤ 0.8	≤ 0.22
Bandwidth @ 850nm	MHz * km	> 1500	> 3500	
Bandwidth @ 1300nm	MHz * km	> 500	> 500	
EMB* @ 850nm	MHz * km	> 2000	> 4700	
Chromatic dispersion @1285-13300nm	Ps/(nm*km)			≤ 0.35
Chromatic dispersion @ 1550nm	Ps/(nm*km)			≤ 0.22

Ordering information

Part Numbers structure	**JxxX xxX yyy Dzzzzzzzz**
Replace **xx** by the connectors left/right	Standard UPC connectors are : ST, SC, LC, MU (others on request)
Replace **X** by A for APC	Standard APC 8° connectors are: SC, LC, FC
Replace **yyy** by the length in meters	From 1 up to 100 meters
Replace **zzzzzzzz** the type of fiber	OM3 (OM3), OM4 (OM4), OS2 (OS2)
Standard lengths (other lengths on request)	1m / 2m / 3m / 5m / 10m

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