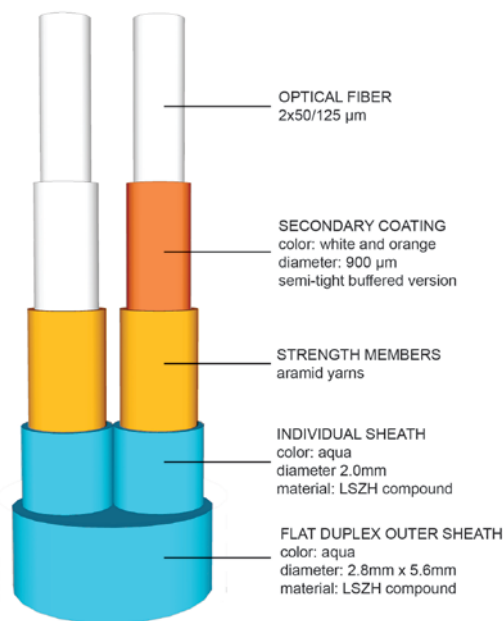


## P/N : J xx xx yy FD OM4

Optical UPC patchcords flat duplex OM4 multimode cable xxx m



Fiber cable construction



P/N: JSCSC2FDOM4  
SC/SC UPC flat duplex aqua patch cord OM4  
(Other connectors available)

## Applications

MMC optical patchcords OM4 are ideal for all multimode applications with longer links, especially for riser links or links between two distant cabinets. These patchcords are a part of the complete optical link and suits all types of OM4 multimode 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 patchcords with ceramic ferrule (ZrO<sub>2</sub>) and plastic composite (SC, LC, MU) or metal (ST,FC)
- Multimode 50/125 OM4 ITU-T G.651 flat duplex optical patch cords
- Flat duplex LSOH sheath with aramid yarns strength members (Kevlar-type)
- Individual test report and packaging
- Available in different lengths
- Packaging : unit

## Standards compliance

Conformity to:

- IEC 60874-14, IEC 61754-4, -4-7, -4-8, -13, -20, -20-7, -20-8,
- IEC 60793-2-10 A1a or 1b, IEC 793, IEC 794-1-E1, IEC 794-1-E3,
- ITU-T G.651,
- UL 1666/901 (when UL cable is used and TIA/EIA 455)
- ISO/IEC 11801 2<sup>nd</sup> Ed.
- JIS C5973 F04, ICEA-596
- Bellcore/Telcordia GR-326, GR-409-CORE
- TIA/EIA 604-3, TIA/EIA 568, EN 50173
- With no hazardous substances as detailed in ROHS 2002/95/EC

## P/N : J xx xx yy FD OM4

Optical UPC patchcords flat duplex OM4 multimode cable xxx m

### Patch cords general characteristics

Range temperature :	- 5°C to +60°C,
Mating cycles:	> 1000 cycles
Colour of sheath	Aqua
Fiber version	Semi-tight buffered
Colour of boot	Black and red
Return Loss	> 35 dB
Insertion Loss (Attenuation)	< 0.25 dB

### Connectors technical characteristics

Types	ST, SC, LC, FC, MU, UPC (other on request)
Material of ferrule	ZrO <sub>2</sub> (Zirconia / Ceramic)
Connector surface	Convex
Connection of fiber	Epoxy
Material of body	Metal (ST, FC) or composite (SC, LC, MU)
Ferrule drilling	127/128 µm

### Optical cable mechanical properties

Weight	15 kg/km
Temperature range	-5°C to +70°C
Bending radius	40 mm
Tensile strength	250N (long term) – 450N (short term)
Crush resistance	2000N/dm

### Optical cable performances

Parameters		Value
Core diameter	µm	50 ± 2.5
Cladding diameter	µm	125 ± 2
Cladding non-circularity	%	≤ 1.0
Core/cladding concentricity	µm	≤ 6.0
Typ. Attenuation @ 850nm	dB/km	≤ 3.0
Typ. Attenuation @ 1300nm	dB/km	≤ 1.0
Bandwidth @ 850nm	MHz * km	> 3500
Bandwidth @ 1300nm	MHz * km	> 500
Link length 1000Base SX	m	2 - 3500
Link length 1000Base LX	m	2 - 500
Link length 10GBase SR	m	2 - 550
Link length 10GBase X4	m	2 - 550

### Ordering information

Part Numbers structure	<b>J xx xx yy FD OM4</b>
Replace <b>xx</b> by the connectors left/right	Standard UPC connectors are : ST, SC, LC, MU (others on request)
Replace <b>yy</b> by the length in meters	From 1 up to 100m