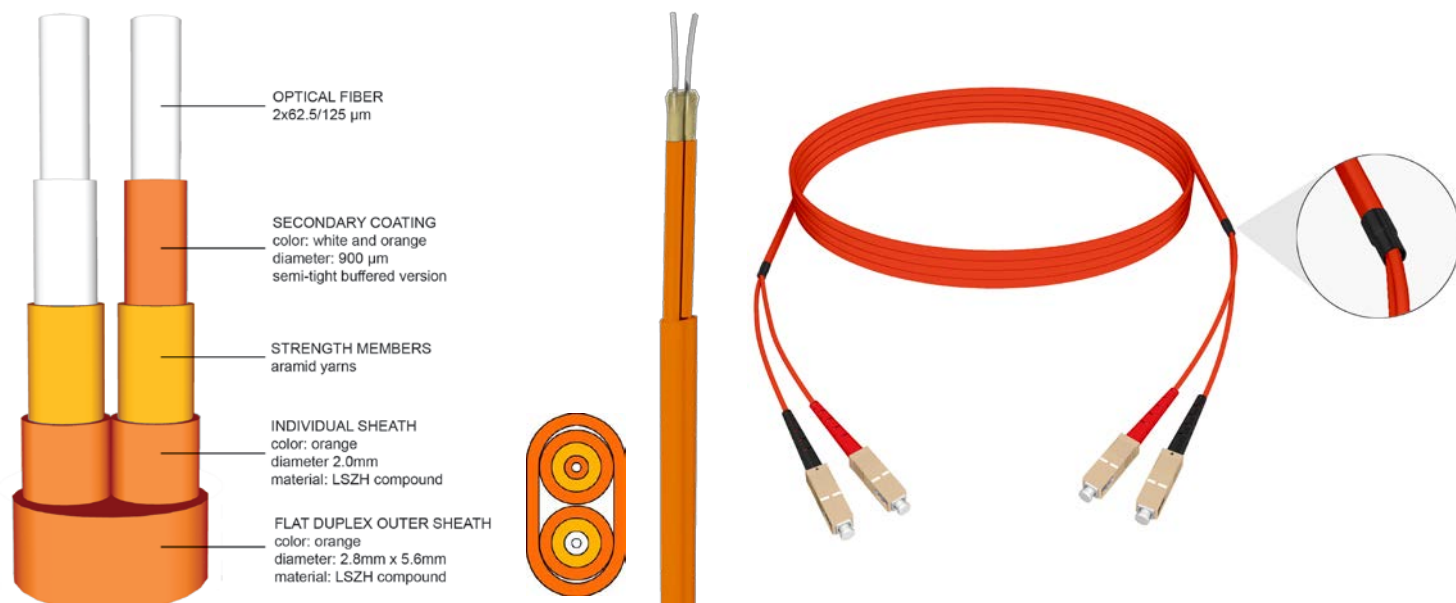


P/N : J xx xx yy FD OM1

Optical UPC patchcords flat duplex OM1 multimode cable xxx m



Fiber cable construction

P/N: JSCSC2FDOM1
SC/SC UPC flat duplex orange patch cord OM1
(Other connectors available)

Applications

MMC optical patchcords OM1 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 OM1 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 (ZrO₂) and composite body (SC, LC, MU) or metal (ST,FC)
- Multimode 62.5/125 OM1 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 2nd Ed. Amd 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
- With no hazardous substances as detailed in ROHS 2002/95/EC

P/N : J xx xx yy FD OM1

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Patch cords general characteristics

Range température :	- 5°C to +60°C,
Mating cycles:	> 1000 cycles
Colour of sheath	Orange
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 ₂ (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	62.5 ± 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	> 200
Bandwidth @ 1300nm	MHz * km	> 560
Link length 1000Base SX	m	2 - 200
Link length 1000Base LX	m	2 - 560
Link length 10GBase SR	m	2 - 33
Link length 10GBase X4	m	2 - 300

Ordering information

Part Numbers structure	J xx xx yy FD OM1
Replace xx by the connectors left/right	Standard UPC connectors are : ST, SC, LC, MU (others on request)
Replace yy by the length in meters	From 1 up to 100m