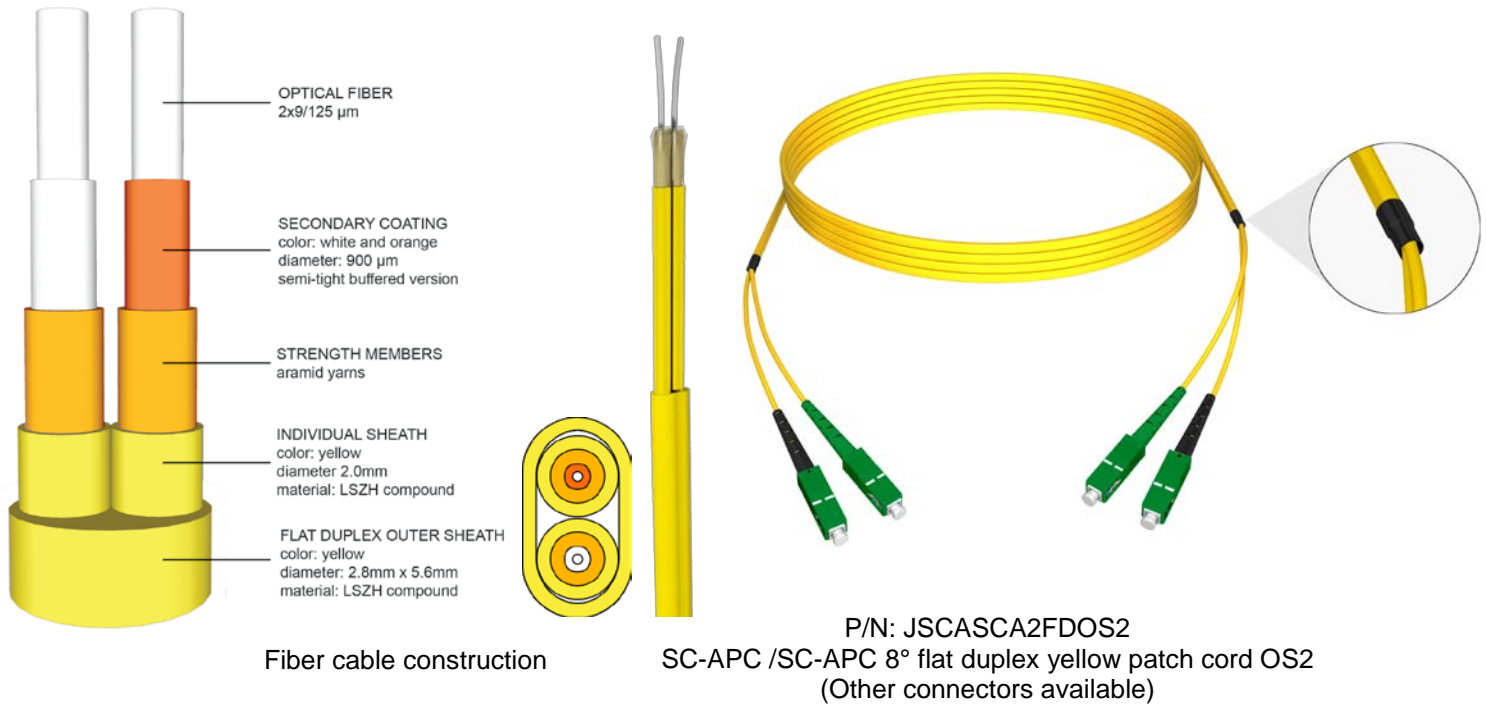


P/N : JxxX xxX yyy FD OS2

Optical APC 8° patchcords flat duplex OS2 Singlemode cable xxx m



Applications

MMC optical patchcords OS2 are ideal for all singlemode 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 type of OS2 or OS1 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 (ZrO₂) and composite body (SC, LC) or metal (ST,FC)
- Single mode 9/125 OS2 ITU-T-G652D 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 61754-2, -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. 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
- ROHS compliance on all components and final product,
- With no hazardous substances as detailed in ROHS 2002/95/EC

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Patch cords general characteristics

Range température :	- 5°C to +60°C,
Mating cycles:	> 1000 cycles
Colour of sheath	Yellow
Fiber version	Semi-tight buffered
Colour of boot	Black and green
Return Loss	> 65 dB
Insertion Loss (Attenuation)	< 0.25 dB

Connectors technical characteristics

Types	SC, LC, FC, (APC 8°) and ST, SC, LC, FC (UPC)
Material of ferrule	ZrO ₂ (Zirconia / Ceramic)
Connector surface	Convex
Connection of fiber	Epoxy
Material of body	Metal (ST, FC) composite (SC, LC, MU)
Ferrule drilling	125/126 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	9.2 ± 0.4
Cladding diameter	µm	125 ± 1
Cladding non-circularity	%	≤ 1.0
Core/cladding concentricity	µm	≤ 0.6
Typ. Attenuation @ 1310nm-1625nm	dB/km	≤ 0.39
Typ. Attenuation @ 1550nm	dB/km	≤ 0.25
Chrom. Disp. @ 1285-1330nm	Ps/nm * km	≤ 3
Chrom. Disp. @ 1270-1340nm	Ps/nm * km	≤ 6
Chrom. Disp. @ 1550nm	Ps/nm * km	≤ 18
Cut-off wavelength	λ _c nm	h: 1330 / l: 1150
Average	λ _{cc} nm	≤ 1260
PMD link design value	ps/√km	≤ 0.2

Ordering information

Part Numbers structure	J xxX xxX yyy FD OS2
Replace xx by the connectors left/right	Standard UPC connectors are: ST, SC, LC, MU (others on request)
Replace X by A for APC when needed	Standard APC 8° connectors are: SC, LC, FC
Replace yyy by the length in meters	From 1 up 100 meters