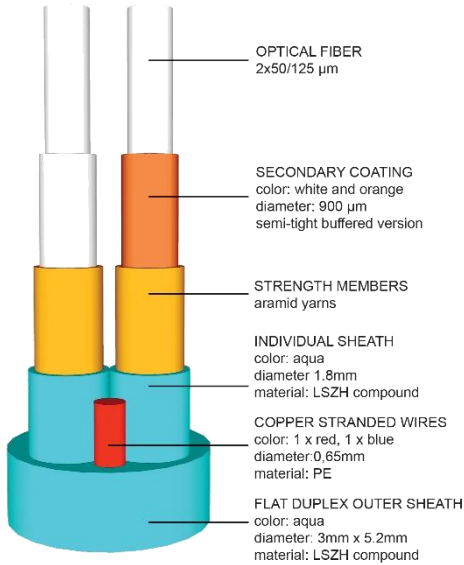
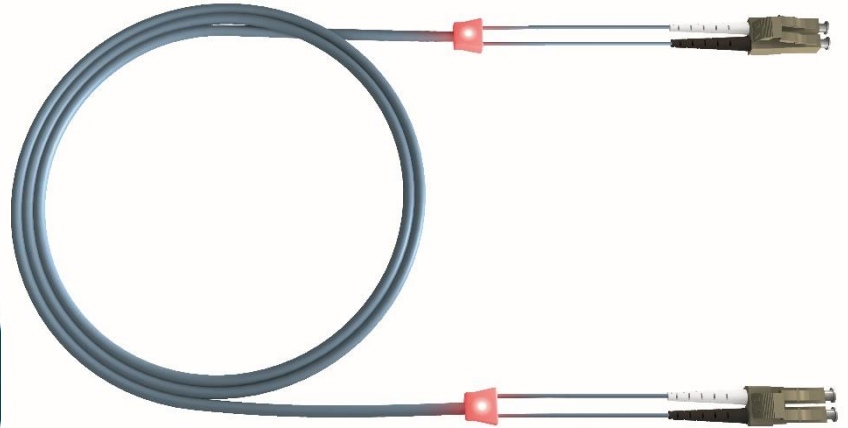


P/N : J xxX xxX yyy zzz LED

Optical LED flat duplex patchcords



Fiber cable construction



P/N: JLCLC2OM3LED
LC/LC UPC LED flat duplex aqua patch cord OM3

Applications

The MMC optical LED flat duplex patchcords are a part of the complete optical link and suits all types of networks, like FTTH, Telecom, LAN (local Area Network), WAN (Wide Area Network) and MAN (Metropolitan Area Network). **It permits to visualize instantly the other end of a patchcord** among many of it, thanks to a small detector that illuminates the white cable splitters. It is a cost effective save of time for technicians and users witch secures the link.

General Characteristics

- Optically and mechanically compatible with all the equivalent connectors.
- Optical patchcords with ceramic ferrule (ZrO₂) and plastic (SC, LC) or metal (ST) body
- 5.2mm LED flat duplex optical patch cords
- Flat duplex LSZH sheath with aramid yarns strength members including two copper wires for LED power supply
- Individual test report and unit packaging
- Available in different lengths
- Only the LEDTOOL is the approved detector.
- The use of any other unproved detector may damage the LED patchcord.

Standards compliance

- IEC 60874-14, IEC 61754-20, IEC 60332-1, IEC 61034, IEC 60754-2
- 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 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

P/N : J xxX xxX yyy zzz LED

Optical LED flat duplex patchcords

Patch cords general characteristics

Temperature range	- 40°C to +75°C,
Mating cycles	> 500 cycles
Colour of sheath	Aqua (OM3) Erica Violet (Magenta) (OM4) Yellow (OS2)
Fiber version	Semi-tight buffered
Colour of boot	Black and white
Return Loss	> 30 dB
Insertion Loss (Attenuation)	< 0.40 dB

Connectors technical characteristics

Types	LC (ST and SC on request)	
Material of ferrule	ZrO ₂ (Zirconia / Ceramic)	
Connector surface	Convex	
Connection of fiber	Epoxy	
Material of body	Plastic (SC, LC) or metal (ST)	Composite or metal (OS2)
Ferrule drilling	125/126 µm (monomode) 127/128 µm (multimode)	

Optical cable mechanical properties

Weight	7.6 kg/km
Temperature range	-40°C to +75°C
Bending radius	40 mm
Tensile strength / Crush resistance	250N (long term) – 450N (short term) / 500N/dm

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

Related products

Items	Description
LEDTOOL	Injector for LED patch cords (with batteries)
LEDCOIN	Spare coin cell for LEDTOOL (4 coins per Injector)



P/N: LEDTOOL



P/N: LEDCOIN

Ordering information

Part Numbers structure	J xxX xxX yyy zzz LED
Replace xxX by the connectors (X by A for APC)	Standard UPC connectors are : LC (ST and SC on request)
Replace yy by the length in meters	From 1 up to 200m



P/N : J xxX xxX yyz zzz LED

Optical LED flat duplex patchcords

Repape **zzz** by the type of fiber

OM3, OM4, OS2