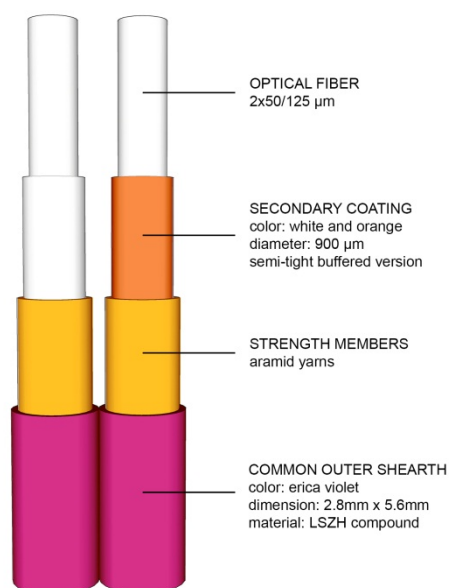
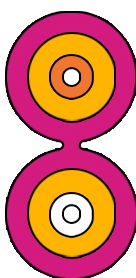


P/N : J LC xx yy LBSB OM4

Optical UPC patchcords Low Bending Short Boots LC Multimode OM4



Fiber cable construction



P/N: JLCLC5LBSBOM54
LC/LC duplex Erica Violet patchcord OM4

Applications

MMC's Low Bending Short boot (LBSB) optical patchcords OM4 are ideally made for Data-centers 'multimode applications. It perfectly fulfills all DC needs in **low bending radius and short boot for door closing convenience**. It also optimizes the airflow inside the high density loaded cabinets when using 1.6mm (on request).

General Characteristics

- Optically and mechanically compatible with all the equivalent connectors.
- Optical patch cords with 4 connectors with ceramic ferrule (ZrO_2), composite body (SC, LC) or metal (ST, FC)
- **Short boots with reduced length of 40mm instead of 66mm** for regular LC patchcords
- Multimode 50/125 OM4 IEC 60793-2-10 type A1a.2, type A1a3 duplex optical patch cords
- Duplex LSOH **Low Bending sheath** with aramid yarns strength members (Kevlar-type)
- Individual test report and packaging
- Available in different lengths
- Packaging : unit

Standards compliance

Conformity to:

- IEC 60493-2-10 type A1a.2, 60493-2-10 type A1a3
- ISO/IEC 11801 2nd Ed. Amd 1.0, Amd 2.0
- Bellcore/Telcordia GR-20, GR-409-CORE
- TIA/EIA – 492AAAC, 492AAAD, TIA/EIA 568, EN 50173
- Fire compliance according to IEC 60332-1
- With no hazardous substances as detailed in ROHS 2002/95/EC

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Patch cords general characteristics

Range temperature :	- 20°C to +60°C,
Mating cycles:	> 1000 cycles
Colour of sheath	Erica Violet (Magenta)
Fiber version	LBS (Low Bending Sensitive) OM4
Colour & size of boot	White, 18mm long, instead of 43mm for regular LC boots
Return Loss	20 dB
Insertion Loss (Attenuation)	From 0.15 to 0.30 dB

Connectors technical characteristics

Types	LC
Color	Beige
Material of ferrule	ZrO ₂ (Zirconia / Ceramic)
Connector surface	Convex
Connection of fiber	Epoxy
Material of body	Composite
Ferrule drilling	127/128 µm

Optical cable mechanical properties

Weight	8.2 kg/km	
Temperature range	-20°C to +60°C	
Bending radius	Loss @ 850nm	Loss @ 1300nm
	7.5mm with 2 turns	7.55mm with 2 turns
	≤0.2 dB	≤0.4 dB
Crush resistance	1000N	

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	≤ 2.8
Typ. Attenuation @ 1300nm	dB/km	≤ 0.8
Bandwidth @ 850nm	MHz * km	> 3500-4700
Bandwidth @ 1300nm	MHz * km	> 500
Link length 1000Base SX	m	2 – 3500-4700
Link length 1000Base LX	m	2 - 500
Link length 10GBase SR	m	2 - 300
Link length 10GBase X4	m	2 - 300

Ordering information

Part Numbers structure	J LC xx yy LBSB OM4
Replace xx by the connectors left/right	Standard UPC connectors are : LC short boot, SC, ST, FC
Replace yyy by the length in meters	From 1 up to 15 meters