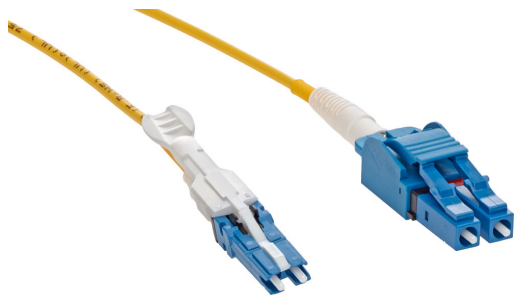


Premium LC-CS Fiber Patch Cords

APPLICATION

Premium LC-CS Fiber Optic Patch Cords interconnect or cross connect fiber networks that use 200/400G QSFP-DD (Quad Small Form-factor Pluggable – Double Density) and OSFP (Octal Small Form-factor Pluggable) transceivers. These single-mode hybrid cords allow patching into standard LC-based patch panels and cabling systems. The MSA compliant CS connector supports two 200G-FR4 or two 100G-CWDM links with four optical channels multiplexed per pair.



SPECIFICATION

The patch cords shall be compliant with ANSI/TIA-568.3-D. Insertion loss shall be a maximum of 0.25 dB. Return loss shall be equal to or greater than 50 dB. Patch cords shall have a pull force of 50 N (11.24 lbf) per IEC 61300-2-4. Connector durability shall be greater than 500 matings. Patch cords shall be individually packaged with part numbers, descriptions, and optical performance data. Patch cords shall include wrap labels including end identification, part number, length and serial number providing traceability to factory collected test data. The CS connector shall include a 48 mm pull tab.

FEATURES

- Custom lengths and custom labeling available, minimum order quantities and longer lead times may apply
- 100% tested for insertion loss and return loss
- LC Uniboot option includes reversible polarity feature, allowing polarity changes in the field without tools
- Uniboot design is ideal for high-density applications, and comes standard with 2.0 mm plenum-rated round cables
- Premium Series cords include a Limited Lifetime Warranty when used in a system with Leviton cabling and installed by a Leviton certified contractor
- CS connector features 48 mm push pull tab

DESIGN CONSIDERATIONS

- All connectors have precision pre-radiused zirconia ferrules for consistent End Face Geometry (EFG)
- Single-mode UPC polish
- Bend-insensitive OS2 optical fiber

STANDARDS & REGULATIONS

- ANSI/TIA-568.3-D
- ANSI/TIA-455-171-B FOTP-171
- ANSI/TIA-598-D
- ISO/IEC 11801-1-2, -3, -5
- IEC 61300-2-4
- TIA/EIA 604 10 (LC Connector: FOCIS 10)
- TIA/EIA 604 19 (CS Connector: FOCIS-19)
- Endface Geometry per IEC 61755-3-1 (PC ferrules)
- Plenum: National Fire Protection Association Standard NFPA 90A

MECHANICAL SPECIFICATIONS

Connector Durability: > 500 Matings
Connector Cable Retention: 50 N (11.24 lbf)
Temperature (Installation): -40 °C to +75 °C
Temperature (Operating): -20 °C to +70 °C

COUNTRY OF ORIGIN

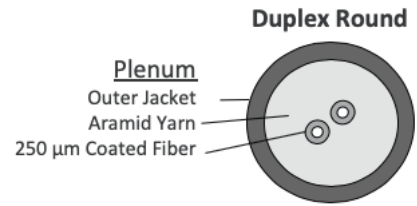
China

WARRANTY INFORMATION

For Leviton product warranties, go to leviton.com/ns/warranty

PRODUCT SPECIFICATIONS
Premium LC-CS Fiber Patch Cords

PHYSICAL SPECIFICATIONS							
Cable Type	Fiber Count	Nominal Diameter in (mm)	Weight Plenum LBS/100FT (kg/km)	Tension LBS (N)		Bend Radius in (cm)	
				Installation	Long Term	Installation	Long Term
2.0 mm Duplex Round	2	0.08 (2.0)	5 (7)	11 (50)	7 (30)	1.2 (3.0)	0.8 (2.0)



Note on Patch Cord:

- Length tolerance:
 - < 10-meter (33 ft) patch cords: +7.6 cm/-0, +3 in/-0in
 - > 10-meter (33 ft) patch cords: +2.0% / -0%
- Length is measured from ferrule tip to ferrule tip with protective caps removed

OPTICAL SPECIFICATIONS

Insertion Loss 0.12 dB typical, 0.25 dB max
 Return Loss ≥ 50 dB UPC

PERFORMANCE SPECIFICATIONS								
Fiber Performance								
Fiber Type	Maximum Attenuation (dB/km)				Bandwidth (MHz*km)		Transmission Distance (meters)	
	850 nm	1300 nm	1310 nm	1550 nm	850 nm	1300 nm	400 GbE using 400G-2FR4	
8.2/125 µm Single-mode (OS2)	N/A	N/A	0.4	0.3	N/A	N/A	QTY#2 CS Duplex	2,000 @ 1310 nm

PREMIUM LC-CS FIBER PATCH CORDS	
Description	Part No.
LC to CS, A-B Polarity, OS2, 1 meter	FPC-S2PR2VJ-001MAB
LC to CS, A-B Polarity, OS2, 2 meter	FPC-S2PR2VJ-002MAB
LC to CS, A-B Polarity, OS2, 3 meter	FPC-S2PR2VJ-003MAB
LC to CS, A-B Polarity, OS2, 5 meter	FPC-S2PR2VJ-005MAB
LC to CS, A-B Polarity, OS2, 10 meter	FPC-S2PR2VJ-010MAB

For further support information, visit leviton.com/ns/support