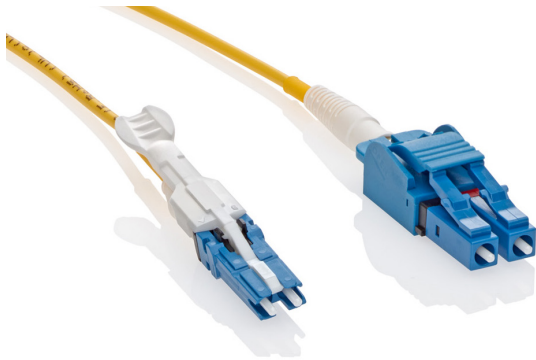


## Spectro-Link™ Premium LC-CS Fiber Patch Cords

### APPLICATION

Premium LC-CS single mode Fiber Optic Patch Cords are available to interconnect, or cross connect fiber networks within structured cabling systems including Data Centers using 200/400G QSFP-DD (Quad Small Form-factor Pluggable – Double Density) and OSFP (Octal Small Form-factor Pluggable) transceivers that have standardized on the MSA compliant CS connector interface. Hybrid cords allow customer to patch into standard LC-based patch panels and cabling systems. The CS connector supports two 200G-FR4 or two 100G-CWDM links with four optical channels multiplexed per pair. Common lengths of LC-CS fiber patch cords are available from stock providing an exceptional service level. Contact customer service for details.



### 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

- Stocked in 1, 2, 3, 5 and 10 meter lengths
- Custom lengths and custom labeling available, minimum order quantities and longer lead times may apply
- 100% tested for insertion loss and single mode 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 or pre-angled zirconia ferrules for consistent End Face Geometry (EFG)
- Single-mode UPC polish
- Bend-insensitive OS2 optical fiber

### STANDARDS COMPLIANCE

- ANSI/TIA-568.3-D Optical Fiber Cabling & Components Standard
- ANSI/TIA-455-171-B FOTP-171 Attenuation by Substitution Measurement for Short Length Multimode Graded Index and Single-Mode Optical Fiber Cable Assemblies
- IEC 61300-3-34: Attenuation of Random Mated Connectors
- IEC 61300-3-6: Return Loss of Random Mated Connectors
- ANSI/TIA-598-D Optical Fiber Cable Color Coding
- ISO/IEC 11801-1-2, -3, -5 Information technology — Generic cabling for customer premises
- TIA/EIA 604 10 (LC Connector: FOCIS 10), TIA/EIA 604 19 (CS Connector: FOCIS-19) pending
- Endface Geometry per IEC61755-3-1 (PC ferrules)
- Plenum: National Fire Protection Association standard NFPA 90A

### PHYSICAL SPECIFICATIONS

Connector Durability:	> 500 Matings
Connector Cable Retention	50 N (11.24 lbf)
Temperature Range	
Storage:	-40 C to +75 C
Operational:	-20 C to +70 C

### COUNTRY OF ORIGIN

CHINA

### WARRANTY INFORMATION

For a copy of Leviton product warranties, visit [www.leviton.com/warranty](http://www.leviton.com/warranty).

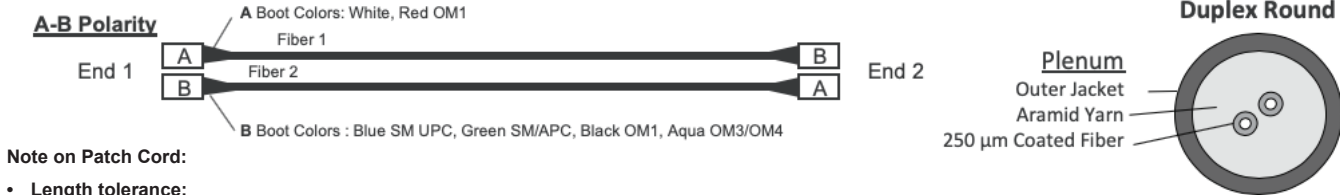
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**PRODUCT SPECIFICATIONS**  
Spectro-Link™ Premium LC-CS Fiber Patch Cords



Spectro-Link™ Premium LC-CS Fiber Patch

Physical Specifications										
Cable Type	Fiber Count	Nominal Diameter	Weight		Tension		Bend Radius		Temperature Range	
			Plenum	LSZH	LBS (N)		Inches (CM)			
			Inches (MM)	LBS/100FT (kg/km)	LBS/100FT (kg/km)	Installation	Long Term	Installation	Long Term	Operating/ Installation
2.0 mm Duplex Round	2	0.08 (2.0)	5 (7)	3 (5)	11 (50)	7 (30)	1.2 (3.0)	0.8 (2.0)	-20°C to +70°C	-40°C to +75°C



**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	

Spectro-Link™ Premium LC-CS Fiber Patch Cords	
Description	Part Number
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



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