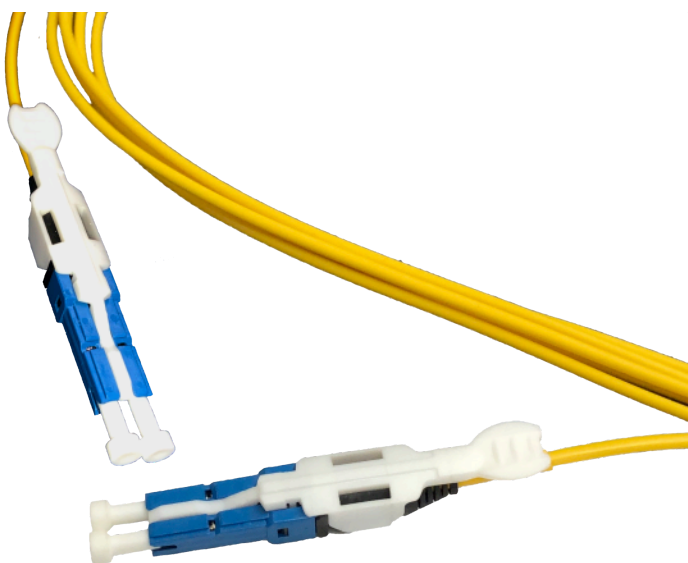


Reach higher densities with Priority CS Connector Assemblies

The CS connector was introduced as a replacement to the current duplex LC connectors which are too big for new generation transceiver interfaces and to increase the connector density in patch panels. The CS connector is operated with a push-pull mechanism having two cylindrical, spring-loaded 1.25mm ferrules, within a single housing. The CS connectors two ferrules are pitched at 3.8mm apart, which is the minimum possible spacing to meet today's TOSA and ROSA optics requirement.

As the CS connector is designed for application in data centres, telecoms, and enterprise industry, the connector is tested against standard performance qualifications. The main industry standard testing performed on the CS connector has been GR-326 (Generic requirements for Single-mode optical connectors and jumper assemblies).

CS-CS Single Mode Duplex Patch Cable



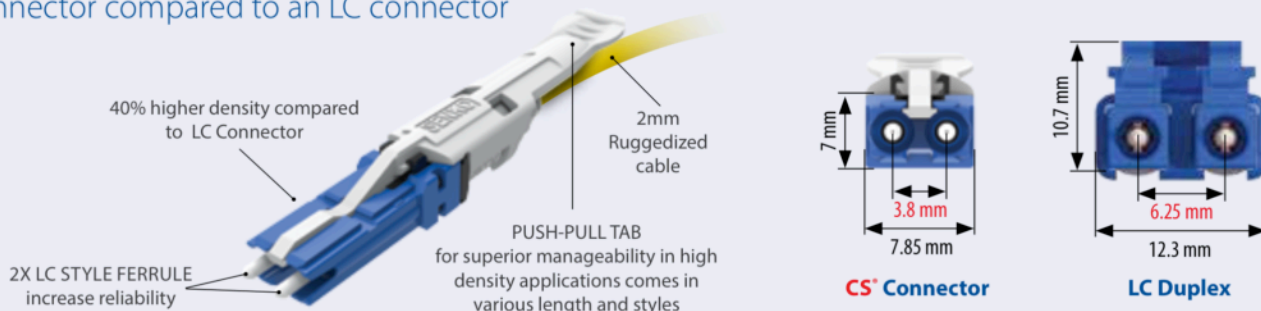
Features

- Double the density compared to conventional LC
- Designed for OSFP/QSFP-DD Break out application
- Proven 1.25mm Ferrule technology
- Push/Pull Tab for High Density applications
- Custom lengths and custom labeling available
- Bend-insensitive OS2 Corning optical fiber
- Factory terminated and tested for insertion loss, return loss and end face

Standards Compliance

- ISO9001, RoHS and WEEE Compliant
- GR-326
- IEC 61300-3-34
- TIA 568

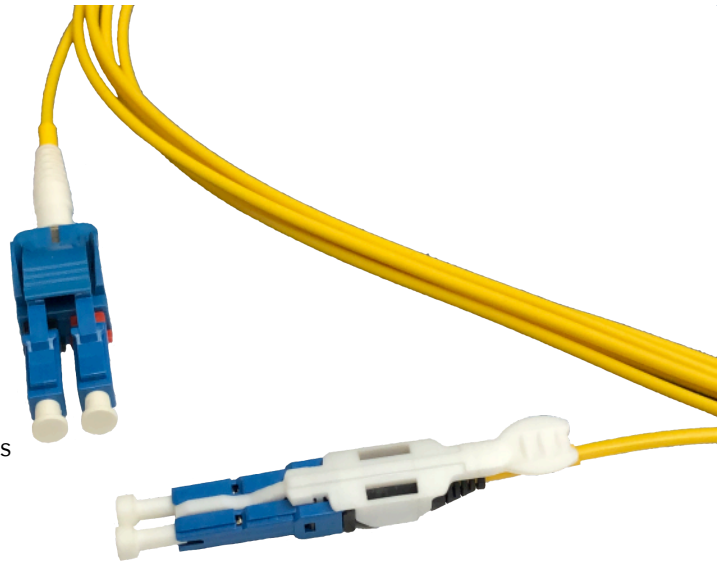
CS® Connector compared to an LC connector



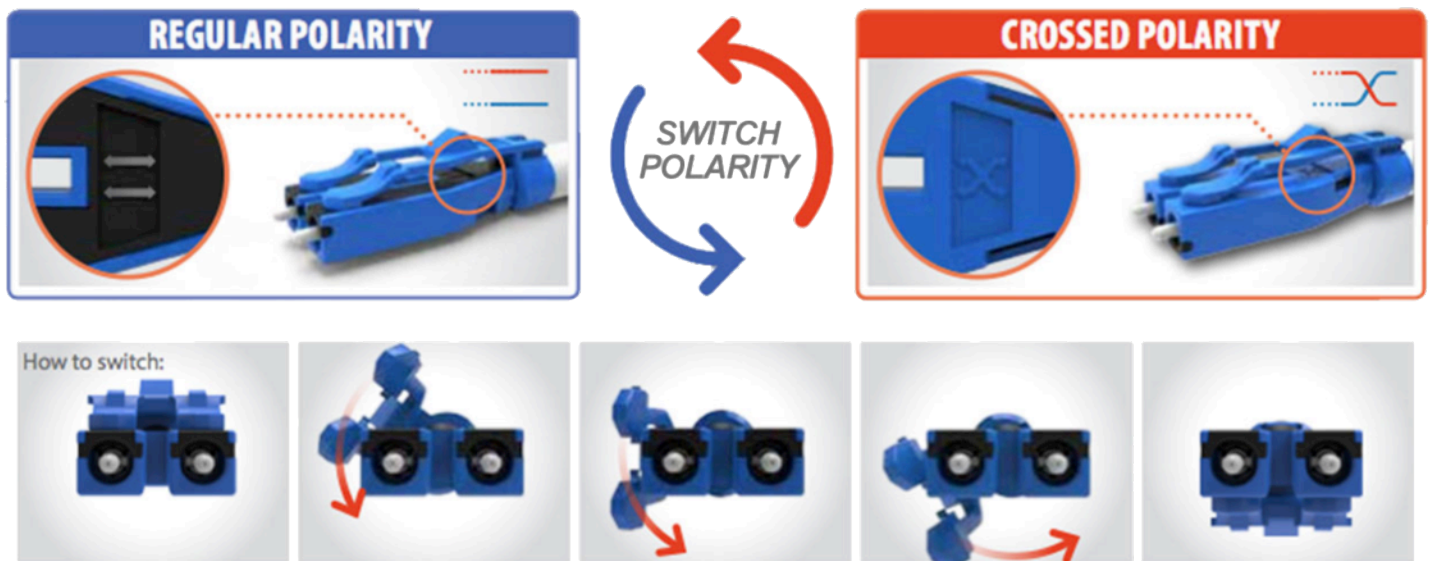
CS-LC Single Mode Duplex Patch Cable

Features

- LC Polarity Reversible Connector without twisting fiber
- Visual indication for Polarity Check
- Double the density compared to conventional LC
- Designed for OSFP/QSFP-DD Break out application
- Proven 1.25mm Ferrule technology
- Push/Pull Tab for High Density applications
- Custom lengths and custom labeling available
- Bend-insensitive OS2 Corning optical fiber
- Factory terminated and tested for insertion loss, return loss



Simple polarity Switch
without twisting of the fiber



Technical Specification

Physical Specifications	Description
Fiber Count	Duplex
Fiber Mode	OS2 9/125µm
Glass Fiber	Corning Ultra G657.A1
Connector Type	CS to CS, CS to LC Reversible
Polish Type	UPC to UPC
Cable Jacket	Yellow Flame-retardant (Riser OFNR)
Cable Diameter	2.9mm (0.11")
Minimum Bend Radius	Installation 50mm (1.97") Operation 30mm (1.18")
Operating Temperature	0°C to 70°C (32°F to 158°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Optical Specifications	Description
Wavelength	1310/1550nm
Attenuation at 1310nm	0.4dB/km
Attenuation at 1550nm	0.22dB/km
Insertion Loss	CS ≤ 0.25dB, LC ≤ 0.25dB
Return Loss	≥ 55dB
Polarity	A(Tx) to B(Rx)

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