

# CS™ FIBER PATCH CABLES DATASHEET

## REACH HIGHER DENSITY WITH SENKO CS™ CONNECTORS

Designed for next generation 200/400G transceiver QSFP-DD and OSFP, meeting the requirement for CWDM4, FR4, LR4 and SR2.



### CS™ Fiber Patch Cables

CS™ fiber patch cables are available to interconnect or cross connect fiber networks within structured cabling systems, including data centers using 200/400G QSFP-DD and OSFP transceivers.

The reduced size CS™ connector is capable of delivering low insertion and high return loss comparable to existing LC connectors. In addition to allowing a double density interconnect at the transceiver, it is also well suited to allow more than a doubling of fiber interconnect density within the structured cabling infrastructure space.

### Standards Compliance

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

### Features

- Designed for next generation 200/400G QSFP-DD & OSFP
- 40% size reduction compared to LC Duplex
- Double the density in patch panel compared to standard LC
- Push/Pull tab for a better usability in high density applications
- Factory terminated and tested for insertion loss, return loss and end face

## Technical Specification

Physical Characteristics	Description
<b>Fiber Count</b>	Duplex
<b>Fiber Mode</b>	OS2 9/125µm
<b>Fiber Glass</b>	Corning Fiber
<b>Fiber Grade</b>	G.657.A1 (Compatible with G.652.D)
<b>Connector Type</b>	Senko CS™ to CS™, CS™ to LC
<b>Polish Type</b>	UPC to UPC
<b>Cable Jacket</b>	PVC (OFNR)
<b>Cable Diameter</b>	2.0mm
<b>Minimum Bend Radius</b>	10mm
<b>Operating Temperature</b>	-10°C to + 70°C
<b>Storage Temperature</b>	-20°C to + 70°C

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Optical Characteristics	Description
<b>Wavelength</b>	1310/1550nm
<b>Attenuation at 1310nm</b>	0.4 dB/km
<b>Attenuation at 1550nm</b>	0.22 dB/km
<b>Insertion Loss</b>	CS™≤0.2dB, LC≤0.2dB
<b>Return Loss</b>	≥50dB
<b>Polarity</b>	A(Tx) to B(Rx)
<b>400G Ethernet Distance</b>	2km with OSFP-400G-2FR4

## Hot Products

ID	Description
#108741	1m (3ft) CS™ to CS™ UPC Duplex OS2 Single Mode PVC (OFNR) 2.0mm Fiber Optic Patch Cable
#108742	2m (7ft) CS™ to CS™ UPC Duplex OS2 Single Mode PVC (OFNR) 2.0mm Fiber Optic Patch Cable
#108743	3m (10ft) CS™ to CS™ UPC Duplex OS2 Single Mode PVC (OFNR) 2.0mm Fiber Optic Patch Cable
#108744	5m (16ft) CS™ to CS™ UPC Duplex OS2 Single Mode PVC (OFNR) 2.0mm Fiber Optic Patch Cable
#108745	10m (33ft) CS™ to CS™ UPC Duplex OS2 Single Mode PVC (OFNR) 2.0mm Fiber Optic Patch Cable
#116820	1m (3ft) CS™ to LC UPC Duplex OS2 Single Mode PVC (OFNR) 2.0mm Fiber Optic Patch Cable
#116821	2m (7ft) CS™ to LC UPC Duplex OS2 Single Mode PVC (OFNR) 2.0mm Fiber Optic Patch Cable
#116822	3m (10ft) CS™ to LC UPC Duplex OS2 Single Mode PVC (OFNR) 2.0mm Fiber Optic Patch Cable
#116823	5m (16ft) CS™ to LC UPC Duplex OS2 Single Mode PVC (OFNR) 2.0mm Fiber Optic Patch Cable
#116824	10m (33ft) CS™ to LC UPC Duplex OS2 Single Mode PVC (OFNR) 2.0mm Fiber Optic Patch Cable



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