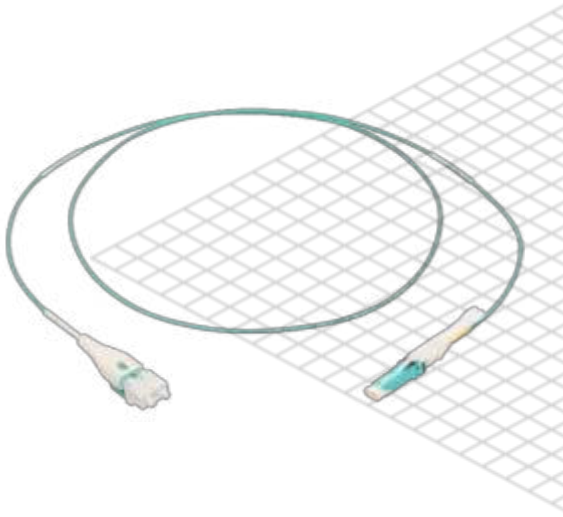
Fibernet
DESIGNING YOUR GREATNESS

Rev.3.0 – March 2020

CS® Patch Cord



The new CS® Connector is specifically designed for Data Centre 400G optimization. Intended to complement the form factor of the next generation of (OSFP/ QSFP-DD) transceiver modules

The reduced size CS Connector is not only capable of delivering low insertion and high return loss comparable to existing LC connectors, but it does so with a reduced footprint.

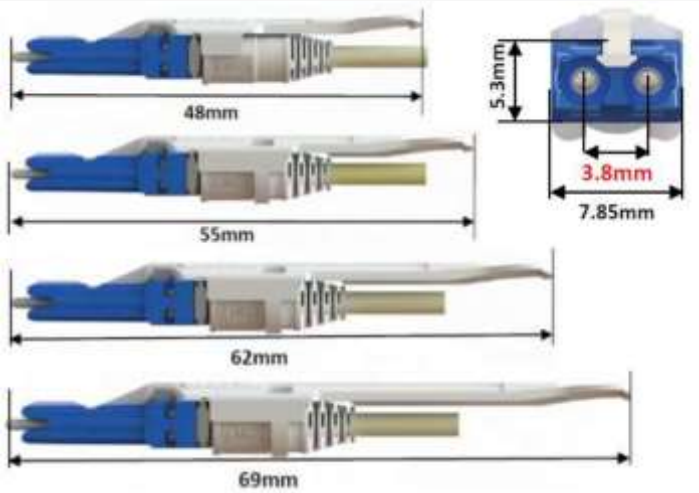
FEATURES

- 40% size reduction compared to LC Duplex
- Designed for MSA OSFP/QSFP-DD Break out application
- Proven 1.25mm Ferrule technology
- Push/Pull tab
- IEC random mating Grade B
- Available in any fiber type – OM1, OM2, OM3, OM4, OM5 or SM.
- Jacket is LSZH-FR (Low Smoke Zero Halogen, Flame Retardant) / HFFR (Halogen Free Flame Retardant) with custom labeling or transparent sleeve marking available.
- 100% tested Insertion Loss & Return Loss (IL&RL) for each fiber.
- Each connector's ferrule geometry is tested using interferometer for standard proof performance.

STANDARDS

Compliant with the following standards:

- Bend-Insensitive fibers MM OM3 as per IEC 60793-2-10 type A1a.2, MM OM4 as per IEC 60793-2-10 type A1a.3, OM5 as per IEC 60793-2-10 type A1a.3 and SM OS2 as per ITU-T G.657.A2
- IEC 61754-20, IEC 60793-1, IEC 61755-3, IEC 11801 (OS2, OM3, OM4 and OM5)
- TIA 568-C.3, TIA-604-10 (LC FOCIS 10), TIA 492.AAAC, TIA 492.AAAD, TIA 942A
- IEEE 802.3ae 10 Gb/sec, IEEE 802.3bs 200/400 Gb/sec Ethernet
- Environmentally safe – complies with UL94-V-0, IEC 60332-3C, IEC 60754-1/2, IEC 61034, CPR- CLASS CCA-S1, D1,A1
- RoHS



SPECIFICATIONS

PARAMETER	VALUE
Insertion loss	0.1dB Typical for SM UPC, SM APC, MM PC
Return loss	55dB for SM UPC, 65dB for SM APC
Housing options	SM UPC: Blue housing MM: Beige, Aqua, Heather Violet, Lime Green housings
Boot / Cable option	3mm, 2mm crimp sleeve
Operating temperature	-40°C to +75°C

BUILD YOUR ORDER

Example: FCS-7CS9UUU0010

SM G657A2 Fiber, CS Connector, LC Uniboot Connector, UPC Polish, UPC Polish, 1 meter, Defult-48mm pull tube

FIBER TYPE	
5	50/125
6	62.5/125
7	G657A2 BI
9	SM
D	G655 BI
O	OM3 BI

CONNECTOR TYPE SIDE 1A & 1B	
CS	CS Connector

CONNECTOR TYPE SIDE 2A & 2B	
CS	CS Connector
9U	LC Uniboot

FCS – X CS XX XX X X XXXX XX

POLISH TYPE SIDE 1	
U	UPC
A	APC

POLISH TYPE SIDE 2	
U	UPC
A	APC

CABLE LENGTH	
XXXX	XXXX m

PULL EYE	
None	Default 48 mm
55	55 mm
62	62 m
69	69 mm

* For STAR series, only the default 48mm tab is suitable.