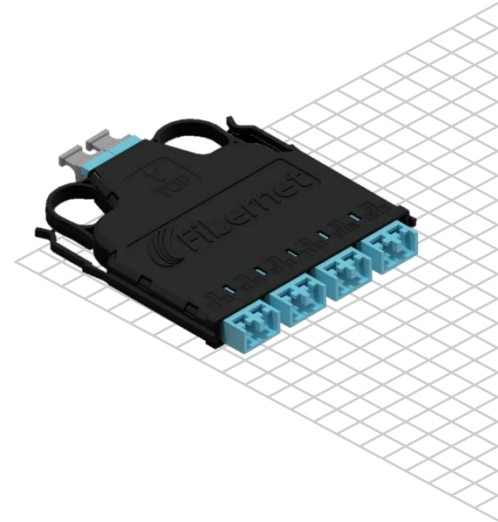


## STAR MTP® – CS® Modules

The high density, pre-terminated MTP®- CS® STAR modules enable rapid deployment and are designed to reach higher port density than the traditional LC duplex based modules and to meet the current 200/400Gb/s requirements

MTP is a registered trademark of US Conec Ltd CS is a registered trademark of Senko



### FEATURES

- > Versatile high-density solution with compact, space-saving design.
- > Quick loading and/or removal of modules front and back.
- > Bend-insensitive fibers allow routing through tight spaces with no impact on performance.
- > Smooth cable handling and rear access to pre-terminated MTP® cables.
- > Meets the current data rates requirement for 200/400Gb/s and the future 800Gb/s
- > Low-loss performance exceeding TIA-942-A structured cabling requirements.
- > Suitable for all Star ODF series.
- > CS Connector is 40% size reduction compared to LC Duplex, allows to reach higher port density.
- > The CS connector Designed for MSA OSFP/QSFP-DD Break out application
- > Compliant with IEEE 802.3bs 200/400Gb/s
- > Available with two rear MTP® adapters to 8 numbered front duplex CS® connections (16 fibers overall).

### STANDARDS

- > 100% tested Insertion Loss & Return Loss (IL&RL) for each fiber.
  - > Each connector's ferrule geometry is interferometer tested for standard performance.
  - > 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, MM OM5 as per IEC 60793-2-10 type A1a.4 and SM as per ITU-T G657A2.
- Complies with:**
- > TELCORDIA GR-449-CORE, IEC 61754-7, IEC 61754-20, TIA-604-5 (MPO FOCIS 5)
  - > TIA-604-10 (LC FOCIS 10), TIA 568-C.3, TIA-492.AAAC-A, TIA-492.AAAD, TIA-942-A
  - > IEC 60793-1, IEC 61755-3, IEC 11801 (OS2, OM3 OM4, OM5), IEC 60794-1, IEC 60794- 1. IEC 60874.
  - > T G.651-ITU
  - > ETL lab verified for standard compliance.
  - > Complies with Safety of Flammability of Plastic Materials rating – UL94-V-0.
  - > .RoHS compliant

## SPECIFICATIONS

PARAMETER	MULTI-MODE ULTRA LOW LOSS	MULTI-MODE LOW LOSS	SINGLE-MODE ULTRA LOW LOSS	SINGLE-MODE LOW LOSS
Part No.	FSTAR-GCSUL	FSTAR-GCSUE	FSTAR-7CSUL (APC Version)	FSTAR-7CSUE (APC Version)
Max. module I.L	0.35 dB	0.5 dB	0.5 dB	0.75 dB
Max. connection (coupling) I.L	CS: 0.1 dB MTP: 0.3 dB	CS: 0.15 dB MTP: 0.35 dB	CS: 0.15 dB MTP: 0.35 dB	CS: 0.15 dB MTP: 0.60 dB
Max. Module R.L	>-35 dB		>-60 dB (8° Angle Polish)	
Polish type	(8° Angle Polish)			
Operating Temperature	-10°C ~ +60°C			

## BUILD YOUR ORDER

**Example:** FSTAR - GCSUL

MTP-CS Module, OM4 fiber, CS, UPC Polish, Ultra Low-Loss

