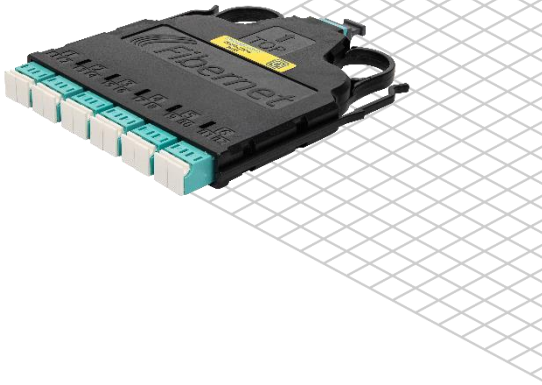
Fibernet
DESIGNING YOUR GREATNESS

Rev.3.0 – March 2020

STAR MTP®–LC Modules

The MTP®-LC STAR modules are a high density, pre-terminated solution, designed to enable reduced installation time and faster moves, adds and changes (MACs) for LC Uniboot duplex patch cords, data center backbone and horizontal structured cabling.



Data Centers | High Density Environments | Storage Area Networks (SAN) | Communications Rooms | Data Communication Networks

FEATURES

- Compatible for use with all STAR ODF series
- Supports Ethernet applications of up to 50Gb/sec per fiber
- High-density modules accepts single LC Fibers and LC Port count for 12 LC simplex or 6 LC duplex patch cords
- The rear of the module features one MTP® adapter that allows connection to 12 front LC connections in a compact, space-saving design
- Designed with bend insensitive fibers to allow greater routing flexibility in constrained space without risk of damage to fibers
- Through the use of bend-insensitive Uniboot patch cords, front cabling volume is reduced by up to 50%
- Sliding pull-out trays provide enhanced access to the front, side and rear for quick loading or removal of modules
- Efficient cable management and built-in labeling chart make MACs fast and smooth
- Easy network differentiation with colored patch cord routing guides in each tray
- LC adapter with internal shutter eliminates eye exposure to lasers and all LC and MTP® connectors include dust caps for maximum protection from dust and debris
- Features low loss performance and delivers optimum insertion loss and return loss (IL&RL)

STANDARDS

Compliant with the following standards:

- IEEE 802.3ab-2010 - ETL lab verified (up to 100G Ethernet)
- IEEE 802.3ae 10Gb/s
- IEEE 802.3ba 40Gb/s
- IEC 60793-2-10:2019, applicable to A1-OM3, A1-OM4, A1-OM5
- ITU-T G.651
- IEC 60793-2-10:2019, applicable to A1-OM3, A1-OM4, A1-OM5
- IEC 11801, applicable for OS2, OM3, OM4 and OM5 or SM G.657A2
- TIA-942-A
- GR-449-CORE
- IEC 61754-7, IEC 61754-20, IEC 60793-1, IEC 61755-3, IEC 60794-1, IEC 60794-2 and IEC 60874
- TIA-604-5 (MPO FOCIS 5), TIA-604-10 (LC FOCIS 10), TIA 568-C.3 TIA-492.AAAC-A, TIA-492.AAAD, TIA 568-C.3
- ETL certified
- UL94-V-0
- RoHS
- Ferrule geometry and IL& RL testing

SPECIFICATIONS

PARAMETER	MULTI-MODE ULTRA LOW LOSS	MULTI-MODE LOW LOSS	SINGLE-MODE ULTRA LOW LOSS	SINGLE-MODE LOW LOSS
Part No	FSTAR-GLCUL	FSTAR-GLCUL	FSTAR-7LCUL (APC Version)	FSTAR-7LCUE (APC Version)
Max. Module IL	0.35 dB	0.5 dB	0.5 dB	0.75 dB
Max. Connection)Coupling) IL	LC: 0.1 dB MTP: 0.25 dB	LC: 0.15 dB MTP: 0.35 dB	LC: 0.15 dB MTP: 0.35 dB	LC: 0.15 dB MTP: 0.60 dB
Max. Module Return Loss	>-35 dB		>-60 dB (8° Angle Polish)	
Operating Temperature	-10°C ~ +60°C			
Dimensions (D x W x H)	136 x 98 x 12 mm			

SHIPPING INFORMATIONS

PARAMETER	LENGTH	WIDTH	HEIGHTH
Dimensions (cardboard carton)	172 mm (6.8 in.)	122 mm (4.8 in.)	41 mm (1.6 in.)
Packed weight	0.13 kg (0.3 lbs.)		

BUILD YOUR ORDER

Example:

FSTAR-GLCUL

MTP-LC Module, OM3 fiber, UPC Polish, Ultra Low Loss

FSTAR-X LC X X

Fiber Type	
G	OM3 BI
O	OM4 BI
W	OM5 BI
7	G.657A2 BI

Polish Type	
A	APC
U	UPC

MTP Type	
None	Standard
E	Low Loss
L	Ultra-Low Loss