

## STAR MTP®-LC Modules

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



### 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	MODE LOW -SINGLE 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	HEIGHT
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		Polish Type		MTP Type	
O	OM3 BI	A	APC	None	Standard
G	OM4 BI	U	UPC	E	Low Loss
W	OM5 BI			L	Ultra-Low Loss
7	G.657A2 BI				