



Pre-terminated MTP® modules provide a low loss transition from trunk cables to duplex patch cords. All modules are manufactured using enhanced optical fiber and low loss connectors. Each unit is factory tested through the finished module, for guaranteed low loss performance in any network. Test data reflects the module's combined single fiber with MTP® connector loss. DMSI standard performance modules are a .55dB max IL combined loss, while the ultra low loss offering is a maximum .35dB, both of which exceed all industry standards.

#### FEATURES

- Multiple family specifications for network compatibility
- LC connectors available in shuttered and non-shuttered options
- Multiple polarity types
- Many connector and fiber type options

## Color-Coded Non-Keyed LC MTP® Modules, ORDERING INFORMATION

### D(A)FC(B)-(CC)(D)-(EE)46

#### (A) Select Polarity

A, B, C

#### (CC) Select Fiber Count

12 or 24

#### (CC) Select Internally Shutter LC Color

SB	Blue
SN	Orange
SG	Green
SW	Brown
ST	Slate
SH	White
SR	Red
SK	Black
SY	Yellow
SV	Violet
SS	Rose
SA	Aqua

#### (B) Select Family Specification

C	Classic
P	PRM
X	LGX Compatible

#### (D) Select Fiber Type

Y	Single mode OS2
F	62.5µm OM1
G	50µm OM3
M	50µm OM4
W	50µm OM5 WBMMF

### 46 - MTP® Male Connector

Standard performance modules are a maximum 0.55dB IL

## Connector Performance Specifications

	Typical IL Performance (dB)	Max IL Performance (dB)	Typical Reflectance (dB)
Single-mode LC	0.13	0.20	-57
Single-mode ST	0.14	0.20	-56
Single-mode FC	0.16	0.20	-57
Single-mode SC	0.16	0.20	-57
Single-mode MTRJ Pinned	0.25	0.50	-51
Single-mode MTRJ Non-Pinned	0.17	0.50	-51
Multimode LC	0.17	0.20	
Multimode ST	0.10	0.20	
Multimode FC	0.10	0.20	
Multimode SC	0.12	0.20	
Multimode MTRJ Pinned	0.20	0.50	
Multimode MTRJ Non-pinned	0.20	0.50	
Multimode MTP® Low Loss (standard)	0.10 (single fiber)	0.35	
Single-mode MTP® Standard Loss	0.25 (single fiber)	0.75	> 60
Single-mode MTP® Low Loss	.10 (single fiber)	0.35	> 60

### COMPLIANCES

- LC Connectors, TIA/EIA-604-10
- SC Connectors, TIA/EIA-604-3
- MTRJ Connectors, TIA/EIA-604-12
- MPO (including MTP®), TIA/EIA-604-5

### MPO COMPLIANCES AND STANDARDS

- Meets IEC Standard 61754-7
- Structured cabling per TIA-568-C
- Parallel Optics
- Optical Internetworking Forum (OIF) Compliant
- Infiniband Compliant
- 10G Fiber Channel Compliant
- 40G and 100G IEEE 802.3
- SNAP 12
- POP 4
- QSFP
- CXP