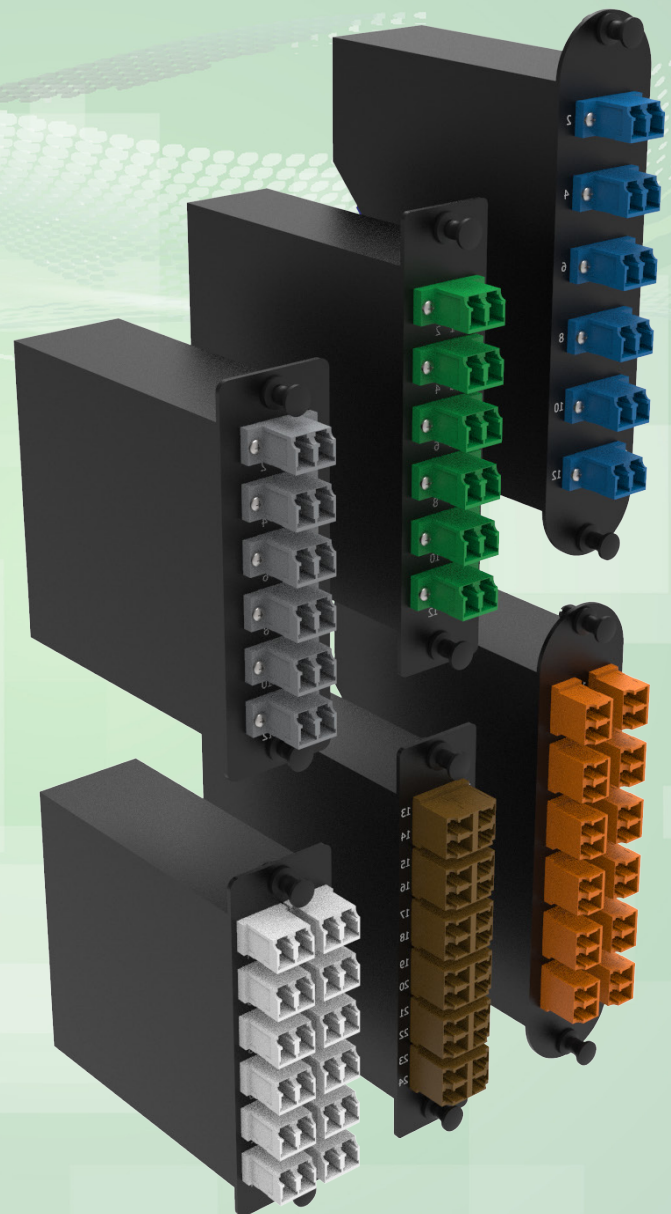


## MTP® Modules

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



## 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	0.25	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 SC	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

## CONNECTOR 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  
 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

## MTP® Modules - 12 Fiber MTP Connectors

### ORDERING INFORMATION, STANDARD PERFORMANCE

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

**(A) Select Polarity**

A, B, C

**(CC) Select Fiber Count**

12 or 24

**(EE) Select Connector Type**

31 LC Duplex, Standard Dust Caps  
 37 LC/APC Internally Shattered  
 38 LC/APC Duplex, Standard Dust Caps  
 3S LC Duplex Internally Shattered  
 47 MTRJ Pinned  
 61 SC Duplex  
 68 SC/APC Duplex  
 Q1 LC Quad

**(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

Standard performance modules are a maximum 0.55dB IL

**46 - MTP Male Connector**

### ORDERING INFORMATION, ULTRA LOW LOSS PERFORMANCE

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

**(A) Select Polarity**

A, B, C

**(CC) Select Fiber Count**

12 or 24

**(EE) Select Connector Type**

34 LC, Standard Dust Caps  
 37 LC/APC Internally Shattered  
 3S LC Duplex Internally Shattered

**(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

## Color-Coded Non-Keyed LC MTP® Modules

### ORDERING INFORMATION, STANDARD PERFORMANCE

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

#### (A) Select Polarity

A, B, C

#### (CC) Select Fiber Count

12 or 24

#### (EE) 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

## MTP® Modules - 8F / 16F / 24F Fiber MTP Connectors

### ORDERING INFORMATION, STANDARD PERFORMANCE

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

#### (A) Select Polarity

A, B, C

#### (B) Select Family Specification

C Classic  
 P PRM  
 X LGX Compatible

#### (CC) Select Fber Count

12 or 24

#### (D) Select Fiber Type

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

#### (EE) Select Connector Type

31 LC Duplex, Standard Dust Caps  
 37 LC/APC Internally Shattered  
 38 LC/APC Duplex, Standard Dust Caps  
 3S LC Duplex Internally Shattered  
 47 MTRJ Pinned  
 61 SC Duplex  
 68 SC/APC Duplex  
 Q1 LC Quad

#### (FF) Select Connector Type

48 MTP 8F non-pinned  
 49 MTP 8F pinned  
 50 MTP 16F non-pinned  
 51 MTP 16F pinned  
 E4 MTP/APC Low Loss non-pinned  
 E6 MTP/APC Low Loss pinned  
 H4 MTP 24F non-pinned  
 M4 MTP 24F pinned

Standard performance modules are a maximum 0.55dB IL