



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

12 Fiber MTP Connectors, Standard Performance ORDERING INFORMATION

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

(A) Select Polarity

A, B, C

(CC) Select Fber 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 Shuttered |
| 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

46 - MTP Male Connector

Standard performance modules are a maximum 0.55dB IL

8F / 16F / 24F Fiber MTP® Connectors, Standard Performance ORDERING INFORMATION

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

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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
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(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

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