

US Conec manufactures durable MTP® brand connectors that provide quick connection for up to 72 optical fibres.

Connection integrity is provided by adapter latches which are locked into place on the connector plug by a spring loaded sliding mechanism. Precision alignment is achieved with patented guide pins combined with the tightly controlled guide pin holes on US Conec's MT ferrules.



US CONEC

Removable housings allow for quick change of gender, ferrule cleaning, interferometry or connector re-polishing. US Conec's MTP brand connector components are fully compliant with IEC Standard 61754-7 and TIA 604-5 – Type MPO.

Patented floating ferrule design ensures fibre contact integrity

- Terminates ribbon fibre or loose individual fibres
- Designed for low loss and standard loss SM and MM applications
- Patented elliptical guide pin tip to minimize ferrule debris
- Ruggedized round cable, oval cable and bare ribbon options available
- Compatible with US Conec MT ferrules in fibre counts 4 - 24
- Colour coded housings available to differentiate fibre type, polish type and/or connector grade
- Housing is removable for quick change of pin clamps and easy ferrule cleaning / re-polishing
- Alignment achieved with high precision guide pins
- No-epoxy housing design
- Family of bulkhead adapters available
- Keyed/Coloured for security or Network Segregating available

Applications and Standards

- Array trunk cables
- Array fibre to single fibre fanouts and cassettes
- High fibre density card edge access
- Optical switching interframe connections
- Meets IEC Standard 61754-7
- Meets TIA/EIA 604-5 Type MPO
- 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

Specifications

	MM MT Elite® Multimode MT Ferrule	Standard Multimode MT Ferrule	SM MT Elite® Single-mode MT Ferrule	Standard Single-mode MT Ferrule
Insertion Loss	0.1dB Typical 0.35dB Maximum ^{2,3,5}	0.20dB Typical 0.60dB Maximum ^{2,3,5}	0.10dB Typical 0.35dB Maximum ^{1,4,5}	0.25dB Typical 0.75dB Maximum ^{1,5}
Optical Return Loss	> 20dB ⁵	> 20dB ⁵	> 60dB (8° Angle Polish) ⁵	> 60dB (8° Angle Polish) ⁵

¹ As tested per ANSI/EIA-455-171 Method D3

² As tested per ANSI/EIA-455-171 Method D1

³ As tested with encircled flux launch condition on 50um fibre and 850nm per IEC 61280-4-1

⁴ Compliant with IEC 61755-3-31/GRADE B

⁵ For 48-fiber MM MTs, 72-fiber MM MTs, or 24-fiber SM MTs, performance assumes physical contact on all fibres. For these higher fibre counts, physical contact may be difficult to achieve.

For further information and to discuss your application please contact:-

Tech Optics Ltd.
6 Tannery Road
Tonbridge
Kent
TN9 1RF
UNITED KINGDOM



Specifications subject to change without notice.

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ISO9001:2015
for the distribution
of fibre optic
products and the
manufacture of fibre
optic assemblies.



T: +44(0)1732 770 466
E: sales@techoptics.com

