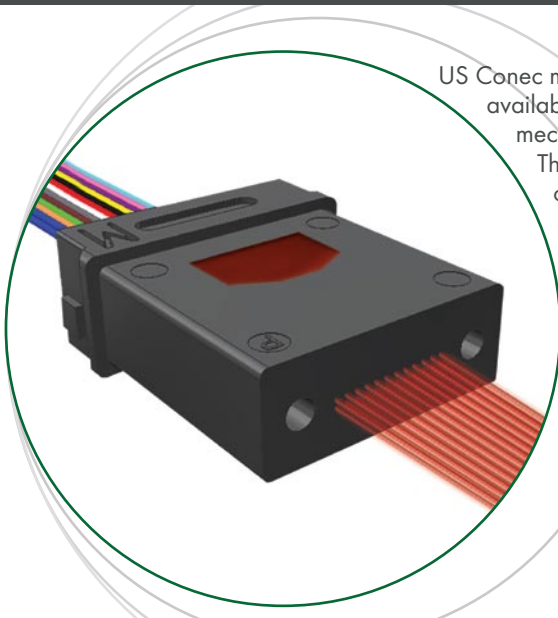


US Conec manufactures durable, composite, Polyphenylene Sulfide (PPS) based thermoplastic ferrules available with up to 72 fiber holes that terminate 125 micrometer optical fiber. The alignment mechanism consists of two stainless steel guide pins that fit into precisely molded alignment holes. The ferrules are used in conjunction with US Conec's industry hailed, MTP® brand, MPO type connectors; however, they are also suitable for custom designed passive or active fiber coupling packages. Fiber is secured to the ferrules with an optical connector grade thermal cure epoxy and can be polished with a variety of commercially available batch connector polishing machines. US Conec's highly stable, PPS material allows preparation of fiber tip protrusion with reduced polishing time and force resulting in superior endface geometry control. US Conec's MT ferrule is compliant with IEC Standard 61754-5.



Features

- High density; fiber pitch: 0.25mm
- Consistent optical performance for multimode (flat protruded polish) and single-mode (angled protruded polish)
- Extremely low hygroscopic material for exceptional environmental stability
- Mold marks to indicate fiber type and ferrule grade

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	0.1 dB Typical (All Fibers) 0.35dB Maximum (Single Fiber) ^{2,3}	0.20dB Typical (All Fibers) 0.60dB Maximum (Single Fiber) ^{2,3}	0.10dB Typical (All Fibers) 0.35dB Maximum (Single Fiber) ^{1,4}	0.25dB Typical (All Fibers) 0.75dB Maximum (Single Fiber) ¹
Optical Return Loss	> 20dB	> 20dB	> 60dB (8° Angle Polish)	> 60dB (8° Angle Polish)

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

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

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

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

Ordering Information

Part Number	Description
MTF-4MM7-02	4-Fiber, Multimode Ferrule
MTFA-4SM5-02	4-Fiber, Single-mode APC Ferrule
MTF-8MM7-02	8-Fiber, Multimode Ferrule
MTFA-8SM5-02	8-Fiber, Single-mode APC Ferrule
12535	8-Fiber, SM MT Elite® Single-mode APC Ferrule, GB
MTF-12MM7-02	12-Fiber, Multimode Ferrule
9734	12-Fiber, MM MT Elite®, Multimode
MTFA-12SM5-02	12-Fiber, Single-mode APC Ferrule
9861	12-Fiber, MT Elite® Single-mode APC Ferrule, GB
12958	12-Fiber, Super-MT Elite®, APC Reference Ferrule, Pre-angled
7413	24-Fiber, Multimode Ferrule
12929	24-Fiber, MM MT Elite®, Multimode
12678	24-Fiber, Single-mode APC Ferrule, Pre-angled
12599	48-Fiber, Multimode Ferrule
9730	72-Fiber, Multimode Ferrule

For additional information about MT Ferrules, please contact Customer Service at 828-323-8883 or visit our web site at www.usconec.com

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