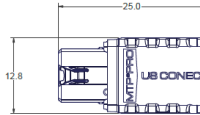


MTP® PRO connector n x 12 fibers



SM Elite

MTP® PRO Housing
(Elite Ferrule)



Pin Exchanger



OM4 Elite

Pin and polarity change tool



Properties and applications

- MTP® PRO multi-fiber connector for 12 fibers MT Ferrules
- Feature on-field pin exchange (with pins and without pin options)
- Polarity change on-field
- Push pull boot for high density applications and round cable
- Centric coding-key
- Multimode MTP® are acc. to world standard PC 0° polished, Singlemode APC 8°
- MTP® PRO protection cap, debris-repellent (better than anti-static), non-outgassing, halogen-free

Standards

IEC 61754-7 and EIA/TIA 604-5

Material

- Ferrule: PPS filled with glass particles
- Body: PBT, flammability UL94-V0
- Boot: TPO, flammability UL94-V0
- Protection cap: TPO, flammability UL94-V0

Optical properties

Applied US Conec ferrule qualities:

- Singlemode SM, 9/125µm all numbers of fibers
- Multimode OM3, OM4 50/125µm up to 12 fibers
- Multimode OM3, OM4 50/125µm more than 12 fibers

Quality features
Standard
Elite Ferrule
Standard

Insertion Loss IL acc. to IEC61300-3-4, Method B, against reference, maximum [dB]:

- Singlemode SM, 9/125µm, standard ferrule 0.40
- Singlemode SM, 9/125µm, elite ferrule 0.35
- Multimode OM3, OM4 50/125µm, Elite ferrule 0.35
- Multimode OM3, OM4 50/125µm, Standard ferrule 0.60

Insertion Loss IL „random mated“ in application
Multimode OM3, OM4 50/125µm, Elite ferrule [dB]:

- 12 fibers and OCTO 4+4 89% lower 0.25

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MTP® PRO connector n x 12 fibers

Optical properties

Return Loss RL acc. to IEC 61300-3-6, Method 1, against reference, minimum [dB]:

- Singlemode SM, 9/125µm, APC 8° 55
- Multimode all OM classes, PC 0° 30

Mechanical properties

- Mating cycles min. 500, IL increase < 0.2 dB
- Strain relief max. 100 N, dependent on cable type

Thermal properties

- Operation temperature range -40°C to +85°C, dependent on cable type
- Storage temperature range -40°C to +85°C

Cable diameters

Round cable types Ø 2.0 to 4.5 mm

Colors

Connector body / boot:

- Singlemode SM, 9/125µm, APC 8° yellow / black
- Multimode OM3, OM4, OM5 50/125µm black / black

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
L. Brücher	2023-10-01	H. Jungbäck	2023-10-01	003		L. Brücher	16.02.24

Rosenberger-OSI GmbH & Co. OHG Endorferstr. 6 86167 Augsburg Germany www.rosenberger.com/osi	Tel. : +49 821 249249-0 E-Mail : info-osi@rosenberger.com	Page 2 / 2
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