NEUTRIK



opticalCON MTP® 24 LITE

24 channel MTP® based fiber system, improved bending performance due to new tactical fiber design, black matt outer jacket, available in multi- and single-mode (PC or APC).

Besides extreme applications there is also a demand for quality fiber connections for semi-rugged applications as e.g. patching or permanent installations. Such applications require a focus on costs and a sealing shutter is not required. The opticalCON MTP® LITE offers high performance and a cost effective, compact, and light weight design. It is fully compatible with the standard opticalCON MTP® chassis connector.

Features & Benefits

- 24-channel MTP® based fiber optic connection system
- Waterproof acc. to IP65 safety standard in mated condition
- Recommended for multi-signal transmission
- Push-pull locking mechanism
- Custom color coding
- Rugged housing
- Rubber protected cap
- Compatible with standard opticalCON ADVANCED NO24FDW-A chassis

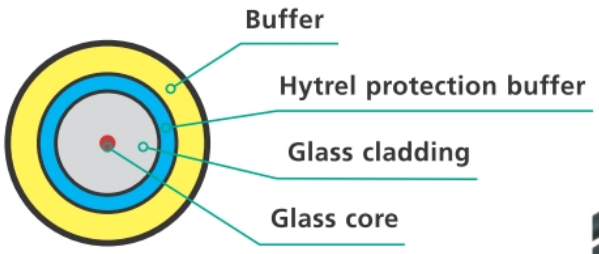
The opticalCON MTP® LITE cable connector accommodates USCONEC Elite female ferrules in a durable plastic housing. It features a spring loaded push-pull locking mechanism and an excellent cable retention utilizing aramid yarn. The connector comes pre-assembled and is

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not available as a single component. The cable is available in different lengths and comes with an airspool packaging.

Tactical Patch Cable

Conventional patch cables are sensitive in terms of undercutting the minimum bending radius and lateral pressure. Neutrik's tactical patch cables contain a unique fiber design including a protection layer which allows bending with minimal radius and increased lateral pressure. Therefore the tactical patch cables are the right choice for permanent or semi-permanent applications.





Technical Information

Product	
Title	opticalCON MTP® 24 LITE
Connection Type	opticalCON
Gender	male

Mechanical	
Cable retention	> 250 N
Insertion force	< 45 N
Withdrawal force	< 45 N
Lifetime (typ.)	1'500 mating cycles
Wiresize	
Locking device	Push-Pull

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Material	
Boot	Rubber (EPDM)
Insert	PBT
Shell	PBT

Environmental	
Temperature range	-40 °C to +70 °C
Optical wiring	ISO / IEC 11801
Protection class	in mated condition IP65

Optical	
Insertion loss	< 0.45 dB
Optical return loss	> 50 dB (PC) > 60 dB (APC)

Mobile cable	
Colour	black, matte
Core diameter	Single Mode 9 µm, Multimode 50 µm
Cladding diameter	125 µm PVC
minimal bending radius	3.5 cm
Cable retention	Aramid yarn
Weigth	12.6 kg/km
Overall diameter	3.5 mm

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