



## 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

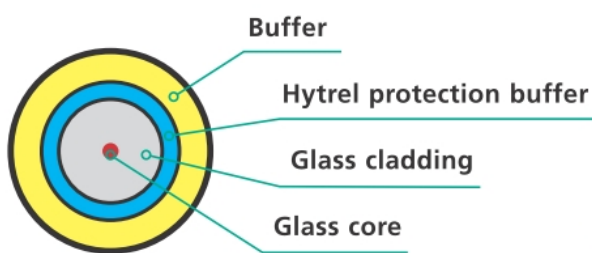
- ✓ 24-channel MTP® based fiber optic connection system
- ✓ Waterproof acc. to IP65 safety standard in mated condition
- ✓ Recommended for multi-signal transmission
- ✓ Push-pull locking mechanism
- ✓ Custom color coding
- ✓ Rugged housing
- ✓ Rubber protected cap
- ✓ Compatible with standard opticalCON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

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

## 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