



## opticalCON MTP® 12 LITE

12 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

- ✓ Ruggedized 12 channel fiber optic connection system
- ✓ Cost optimized fiber connection for semi and permanent installation
- ✓ Designed for point-to-point connections
- ✓ Waterproof acc. to IP65 safety standard in mated condition
- ✓ Lightweight plastic housing
- ✓ Reliable Push-Pull locking mechanism
- ✓ Easy to clean, no special tools required
- ✓ Compatible with standard opticalCON NO12FDW-A chassis
- ✓ Custom color coding possible
- ✓ Tactical patch cable

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® 12 LITE
Connection Type	opticalCON
Gender	male

**Mechanical**

Cable retention	> 250 N
Insertion force	< 45 N
Withdrawal force	< 45 N
Lifetime (typ.)	1500 mating cycles
Wiresize	
Locking device	Push-Pull

**Material**

Boot	Rubber (EPDM)
Bushing	Polyamide (PA 6) & Thermoplastic elastomer (TPU)
Insert	PBT
Shell	PBT
Strain relief	CuZn36 Pb3 (Brass)
Dust protection cap	Rubber (EPDM)

**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 / connection
Optical connector	USCONEC Elite female (PC and APC)
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