



## 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

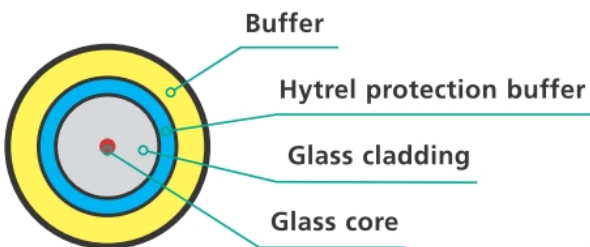
- Ruggedized 12 channel fiber optic connection system
- Cost optimized fiber connection for semi and permanent installation
- Designed for point-to-point connections
- Waterproof acc. to IP65 safety standard in mated condition
- Lightweight plastic housing
- Reliable Push-Pull locking mechanism
- Easy 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

<b>Flammability</b>	UL94 HB
<b>Temperature range</b>	-40 °C to +70 °C
<b>Optical wiring</b>	ISO / IEC 11801

## Optical

<b>Insertion loss</b>	< 0.45 dB / connection
<b>Optical connector</b>	USCONEC Elite female (PC and APC)
<b>Optical return loss</b>	> 50 dB (PC) > 60 dB (APC)

## Mobile cable

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