



## opticalCON DUO LITE

2 channel fiber system, improved bending performance due to new fiber design, black matt outer jacket, available in multi- and single-mode (PC or APC). Designed for temporary and permanent installations.

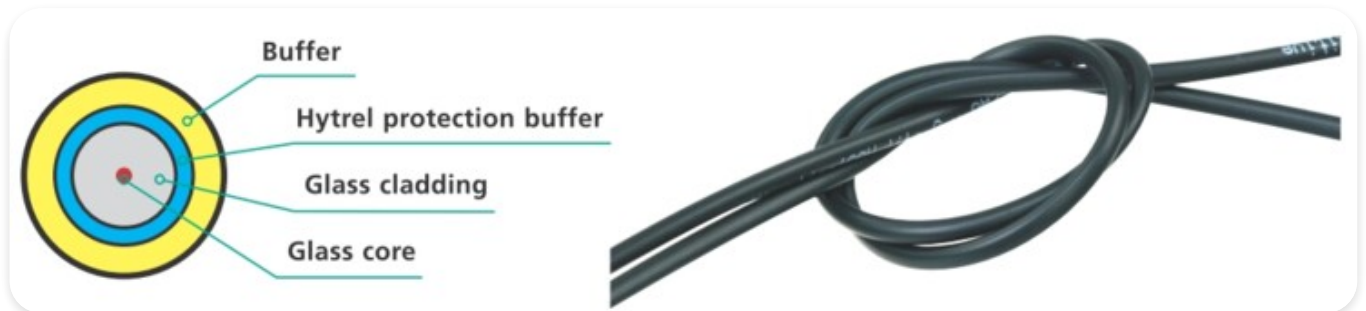
Besides extreme applications there is also a demand for quality fiber connections for applications as e.g. patching, the interconnection of devices, or permanent installations. Such applications require a focus on costs and a sealing shutter is not required. The opticalCON DUO LITE offers high performance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

## Features & Benefits

- ✓ Ruggedized 2 channel fiber optic connection system
- ✓ Cost optimized fiber connection for semi and permanent installation
- ✓ 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 DUO chassis NO2-4FDW-A\*
- ✓ Tactical patch cable

The opticalCON DUO LITE cable connector accommodates a standard optical 1.25mm ferrule 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.



## Tactical Patch Cable

Conventional patch cables are sensitive in terms of undercutting the minimum bending radius and lateral pressure. Neutrik's tactical patch cables feature unique fiber design including a protection buffer which allows bendings 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 DUO LITE
Connection Type	opticalCON
Gender	male

Mechanical	
Cable retention	> 250 N
Insertion force	< 45 N
Withdrawal force	< 45 N
Lifetime (typ.)	2500 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
Protection class	in mated condition IP65

## Optical

Insertion loss	< 0.45 dB / connection
Optical connector	LC-Duplex (PC and APC)
Optical wiring	ISO / IEC 11801
Optical return loss	>50 dB (PC) >60 dB (APC)

## Mobile cable

Colour	black, matte
Core diameter	Singlemode 9 µm, Multimode 50 µm
Cladding diameter	125 µm
Comment	PVC
minimal bending radius	3 cm
Number of fibers	2
Cable retention	Aramid yarn
Weigth	9 kg/km
Overall diameter	3 mm