

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.

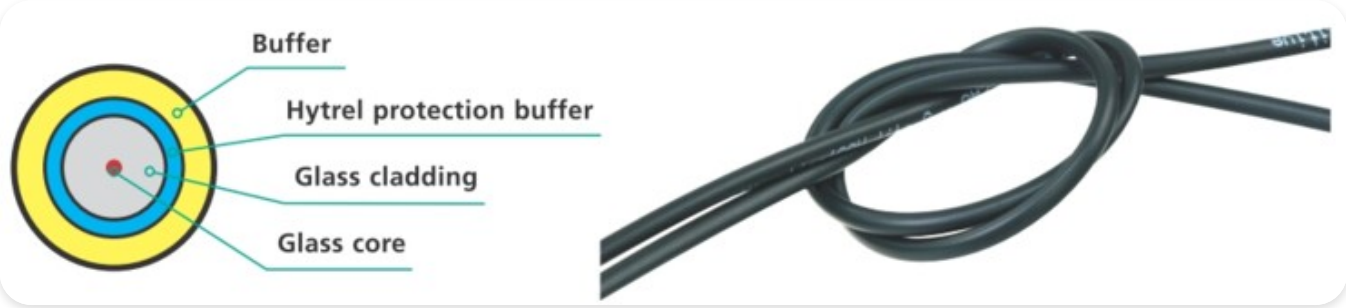
Features & Benefits

- 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

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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.



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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)

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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
Overal diameter	3 mm

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