



## opticalCON DUO LITE

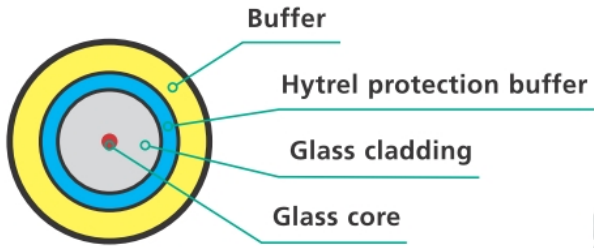
2 channel fiber system, improved bending performance due to new fiber design, black matt outer jacket, available in multi- and single-mode (PC or APC). Designed for temporary and permanent installations.

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

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|---|---|
| <ul style="list-style-type: none"><li>• Ruggedized 2 channel fiber optic connection system</li></ul>          | <ul style="list-style-type: none"><li>• Cost optimized fiber connection for semi and permanent installation</li></ul> |
| <ul style="list-style-type: none"><li>• Waterproof acc. to IP65 safety standard in mated condition</li></ul>  | <ul style="list-style-type: none"><li>• Lightweight plastic housing</li></ul>   |
| <ul style="list-style-type: none"><li>• Reliable Push-Pull locking mechanism</li></ul>                        | <ul style="list-style-type: none"><li>• Easy to clean, no special tools required</li></ul>                            |
| <ul style="list-style-type: none"><li>• Compatible with standard opticalCON DUO chassis NO2-4FDW-A*</li></ul> | <ul style="list-style-type: none"><li>• Tactical patch cable</li></ul>  |

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**

<b>Flammability</b>	UL 94 HB
<b>Temperature range</b>	-40 °C to +70 °C

**Optical**

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

**Mobile cable**

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