



## opticalCON QUAD LITE

4 channel 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 QUAD LITE offers high performance and a cost effective, compact, and light weight design. It is fully compatible with the standard opticalCON QUAD chassis connector.

### Features & Benefits

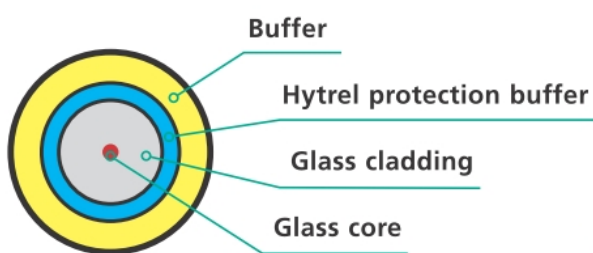
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|--|---|
| <ul style="list-style-type: none"><li>• Ruggedized 4 channel fiber optic connection system</li></ul> | <ul style="list-style-type: none"><li>• Cost optimized fiber connection for semi and permanent installation</li></ul> |
| <ul style="list-style-type: none"><li>• Designed for point-to-point connections</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 NO4FDW-A chassis</li></ul>                |
| <ul style="list-style-type: none"><li>• Custom color coding possible</li></ul>                       | <ul style="list-style-type: none"><li>• Tactical patch cable</li></ul>  |

The opticalCON QUAD LITE cable connector accommodates a standard optical 1.25 mm 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 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 QUAD 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>	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>	1.25 mm ceramic ferrule (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>Number of fibers</b>	4
<b>Cable retention</b>	Aramid yarn
<b>Weigth</b>	14 kg/km
<b>Overall diameter</b>	3.5 mm