NEUTRIK



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

- Ruggedized 4 channel fiber optic connection system
- Designed for point-to-point connections
- Lightweight plastic housing
- Easy to clean, no special tools required
- Custom color coding possible

- Cost optimized fiber connection for semi and permanent installation
- Waterproof acc. to IP65 safety standard in mated condition
- Reliable Push-Pull locking mechanism
- Compatible with standard opticalCON NO4FDW-A chassis
- Tactical patch cable

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

Optical	
Insertion loss	< 0.45 dB / connection
Optical connector	1.25 mm ceramic ferrule (PC and APC)
Optical return loss	> 50 dB (PC) > 60 dB (APC)

Mobile cable	
Colour	black, matte
Core diameter	Single mode 9 μm, Multimode 50 μm
Cladding diameter	125 μm PVC
minimal bending radius	3.5 cm
Number of fibers	4
Cable retention	Aramid yarn
Weigth	14 kg/km
Overal diameter	3.5 mm