



opticalCON DUO LITE

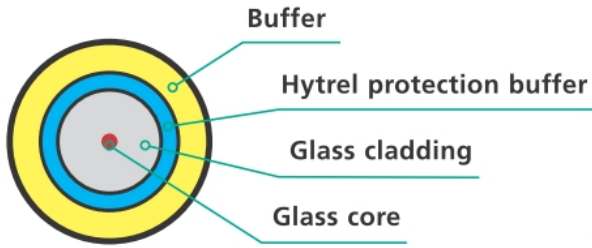
2 channel fiber system, improved bending performance due to new fiber design, black matt outer jacket, available in multi- and single-mode (PC or APC). Designed for temporary and permanent installations.

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
- Waterproof acc. to IP65 safety standard in mated condition
- Reliable Push-Pull locking mechanism
- Compatible with standard opticalCON DUO chassis NO2-4FDW-A*
- Cost optimized fiber connection for semi and permanent installation
- Lightweight plastic housing
- Easy to clean, no special tools required
- 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

| | |
|-------------------|------------------|
| Flammability | UL 94 HB |
| Temperature range | -40 °C to +70 °C |

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 |