



Product Data Sheet

Neutrik NK02S-L-0-50 opticalCON DUO LITE
SM 50M Airspool

Description



The Neutrik opticalCON DUO LITE is a 2 channel fibre system, improved bending performance due to new fibre 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 fibre 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.

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 utilising aramid yarn. The connector comes pre-assembled and is not available as a single component. The cable is available in different lengths.

| Product | SKU |
|--|-------------|
| NEUTRIK NK02S-L-0-50 OPTICALCON DUO LITE SM 50M AIRSPOOL | KQ-28-01050 |

Key Benefits

- Ruggedised 2 channel fibre optic connection system
- Cost optimised fibre 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



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Technical Specification

Neutrik NK02S-L-0-50 Specification

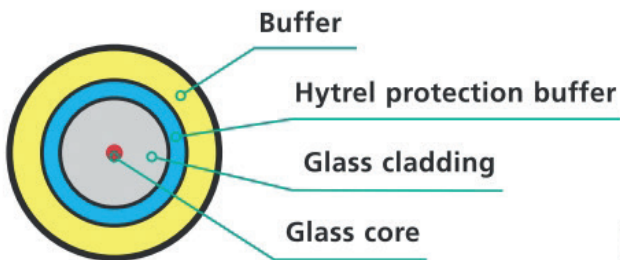
| | |
|--|---|
| Connection Type: opticalCON | Temperature range: -40 °C to +70 °C |
| Gender: Female | Optical |
| Mechanical | Insertion loss: < 0.45 dB / connection |
| Cable retention: > 250 N | Optical connector: LC-Duplex (PC and APC) |
| Insertion force: < 45 N | Optical wiring: ISO / IEC 11801 |
| Withdrawal force: < 45 N | Optical return loss: >50 dB (PC) >60 dB (APC) |
| Lifetime: > 2500 mating cycles | Mobile cable |
| Locking device: Push-Pull | Colour: black, matte |
| Material | Core diameter: Singlemode 9 µm, Multimode 50 µm |
| Boot: Rubber (EPDM) | Cladding diameter: 125 µm |
| Bushing: Polyamide (PA 6) & Thermoplastic elastomer (TPU) | Comment: PUR |
| Insert: PBT | Minimal bending radius: 3 cm |
| Shell: PBT | Number of fibers: 2 |
| Strain relief: CuZn36 Pb3 (Brass) | Cable retention: Aramid yarn |
| Dust protection cap: Rubber (EPDM) | Weight: 9 kg/km |
| Environmental | Overall diameter: 3 mm |
| Flammability: UL 94 HB | |



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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 fibre 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.

