



Product Data Sheet

Neutrik NK02SA-L-0-20 opticalCON DUO LITE
SM/APC 20M 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 NK02SA-L-0-20 OPTICALCON DUO LITE SM/APC 20M AIRSPOOL	KQ-27-01020

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
N02-4FDW-A*Tactical patch cable



Product Data Sheet

Neutrik NK02SA-L-0-20 opticalCON DUO LITE
SM/APC 20M Airspool

Technical Specification

Neutrik NK02SA-L-0-20 Specification

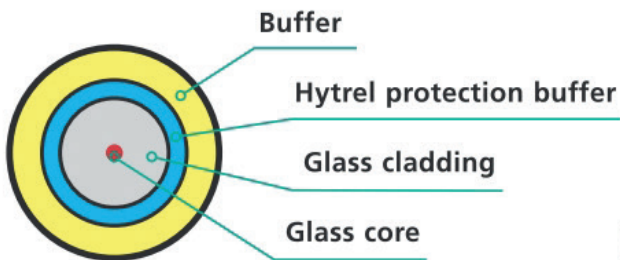
Connection Type: opticalCON	Temperature range: -40 °C to +70 °C
Gender: Female	Optical
Mechanical	Insertion loss: < 0.45 dB / connection
Cable retention: > 250 N	Optical connector: LC-Duplex (PC and APC)
Insertion force: < 45 N	Optical wiring: ISO / IEC 11801
Withdrawal force: < 45 N	Optical return loss: >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	



Product Data Sheet

Neutrik NK02SA-L-0-20 opticalCON DUO LITE
SM/APC 20M Airspool

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.

