



# Product Data Sheet

Neutrik NK02S-A-0-1 opticalCON DUO ADVANCED  
SM 1M Airspool

## Description



The Neutrik opticalCON DUO ADVANCED is an assembled 2 fibres rugged and lightweight mobile field cable, excellent cable retention due to aramid yarn, black PUR outer jacket, available in multi- and single mode (PC or APC), military approved. Ideal for audio and broadcast networks.

The opticalCON DUO cable connector accommodates a standard optical LC-Duplex connector in a ruggedised and durable all-metal housing. It features a spring loaded push-pull locking mechanism and an excellent cable retention utilising aramid yarn. The optical connection is exceptional well protected against dirt and dust by an automatically operated sealing cover. The cable connector comes pre-assembled and is not available as a single component. The cable is available in different lengths and is packed either in a case, on drum or airspool.

| Product   | SKU         |
|---|-------------|
| NEUTRIK NK02S-A-0-1 OPTICALCON DUO ADVANCED<br>SM 1M AIRSPOOL | KQ-38-01001 |

## Key Benefits

- Ruggedised and dirt protected fibre optic connection system
- Waterproof acc. to IP65 safety standard in mated condition
- 2-pole military approved robust and light weight mobile field cable with multi- or single mode fibres
- opticalCON multimode fibre cables offer laser and bend optimised OM3 fibers
- Accommodates standard optical LC-Duplex connectors
- Cable connector features rugged all metal housing and heavy duty cable retention
- Excellent dust and dirt protection due to automatic sealing shutter with silicone gasket
- Reliable Push-Pull locking mechanism
- Easy to clean, no special tools required
- Available in different packaging versions



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## Technical Specification

### Neutrik NK02S-A-0-1 Specification

|   |  |
|---|--|
| <b>Connection Type:</b> opticalCON                        | Optical  |
| <b>Gender:</b> male                                       | Insertion loss: < 0.5 dB / connection                  |
| <b>Mechanical</b>   | <b>Optical connector:</b> LC-Duplex (PC and APC)       |
| <b>Cable retention:</b> > 500 N                           | <b>Optical wiring:</b> ISO / IEC 11801                 |
| <b>Insertion force:</b> < 45 N                            | <b>Mobile cable</b>                                    |
| <b>Withdrawal force:</b> < 45 N                           | <b>Colour:</b> black, matte                            |
| <b>Lifetime:</b> > 5000 mating cycles                     | <b>Core diameter:</b> Singlemode 9 µm, Multimode 50 µm |
| <b>Locking device:</b> Push-Pull                          | <b>Cladding diameter:</b> 125 µm                       |
| <b>Material</b>   | <b>Comment:</b> PUR                                    |
| <b>Boot:</b> Rubber (EPDM)                                | <b>Minimal bending radius:</b> 5 cm                    |
| <b>Bushing:</b> Zinc diecast (ZnAl4Cu1)                   | <b>Number of fibres:</b> 2                             |
| <b>Insert:</b> Polyamide (PA 6, PBT 30 % GR, PBT 50 % GR) | <b>Cable retention:</b> Aramid yarn                    |
| <b>Shell:</b> Zinc diecast (ZnAl4Cu1)                     | <b>Weight:</b> 23 kg/km                                |
| <b>Shell plating:</b> Black chromium                      | <b>Overall diameter:</b> 5 mm                          |
| <b>Strain relief:</b> Polyacetal (POM) (brass)            | <b>Environmental</b>                                   |
|   | Temperature range: -40°C to +75 °C                     |

**Cable O.D.: 5 mm**

