

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.

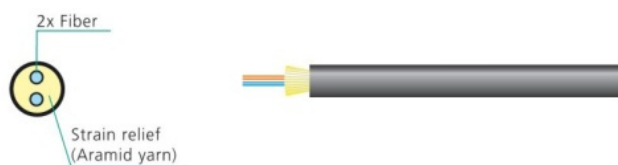
The opticalCON DUO LITE cable connector accommodates a standard optical 1.25mm ferrule in a durable plastic housing. It features a spring loaded push-pull locking mechanism and an excellent cable retention utilizing aramid yarn. The connector comes pre-assembled and is not available as a single component. The cable is available in different lengths.



Features & Benefits

- Ruggedized 2 channel fiber optic connection system
- Cost optimized fiber 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*

Cable cross section



Technical Information [hide](#)

Product

Title opticalCON DUO LITE

Connection Type opticalCON

Gender male

Mechanical

Cable retention > 250 N

Insertion force < 35 N

Withdrawal force < 35 N

Lifetime 2500 mating cycles

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

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 PUR

minimal bending radius 3 cm

Number of fibers 2

Cable retention Aramid yarn

Weigth 23 kg/km

Overall diameter 3 mm

Accessories

NAO2*-H1W-A



CAS-FOMD



CAS-FOCD-ADV



NOR-*



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