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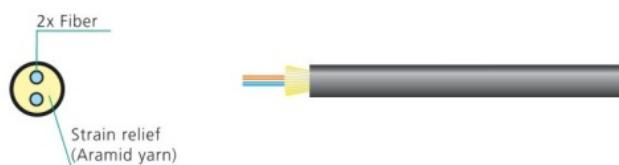
The opticalCON DUO LITE cable connector accommodates a standard optical 1.25mm ferrule in a durable plastic housing. It features a spring loaded push-pull locking mechanism and an excellent cable retention utilizing aramid yarn. The connector comes pre-assembled and is not available as a single component.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

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
Overal diameter	3 mm

Accessories

NAO2*-H1W-A

CAS-FOMD

CAS-FOCD-ADV

NOR-*

SCNKO-L