



opticalCON POWER SPLIT DUO

Hybrid (240V AC /16 A) multichannel cable solution (2 or 4 channels) based on the opticalCON DUO and powerCON, optimized for ENG/SNG applications, excellent cable retention due to aramid yarn, black PUR outer jacket.

The opticalCON DUO cable connector accommodates a standard optical LC-Duplex connector in a ruggedized and durable all-metal housing. It features a spring loaded push-pull locking mechanism and an excellent cable retention utilizing 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.

The powerCON is a locking 3 conductor equipment AC connector with contacts for line, neutral and pre-mating ground contact. It replaces appliance couplers wherever a very rugged solution in combination with a locking device is needed in order to guarantee a safe power connection.

Attention: The powerCON is a connector without breaking capacity, i.e. the powerCON should not be connected or disconnected under load or live!

Features & Benefits

- ✓ opticalCON multichannel solution based on the opticalCON DUO and powerCON

- ✓ opticalCON multimode fiber cables offer laser and bend optimized OM3 fibers
- ✓ 1 m split, mechanically damaged connector can be reassembled with a shortened cable split
- ✓ Color coding for channel identification
- ✓ Rugged 2 channel fiber optic connection system, flexible, weight and cost optimized
- ✓ For multichannel routing and ENG/SNG applications: combination of multi-fiber and power (up to 240V AC /16 A) in one cable in order to guarantee quick setup and simple handling
- ✓ The copper wires of the hybrid cable design perfectly protect the fibers from damage and an outer shield provides best possible safety.
- ✓ powerCON guarantees a rugged and safe power connection
- ✓ Excellent dust and dirt protection due to automatic sealing shutter with silicone gasket
- ✓ Dust and water resistant according to IP65 in mated condition

Technical Information

Product	
Title	opticalCON POWER SPLIT DUO
Connection Type	opticalCON
Gender	male

Mechanical

Cable retention	500 N
Insertion force	< 45 N
Withdrawal force	< 45 N
Lifetime	> 5000 mating cycles
Wiresize	
Locking device	Push-Pull

Material

Boot	Rubber (EPDM)
Bushing	Zinc diecast (ZnAl4Cu1)
Insert	Polyamide (PA 6, PBT 30 % GR, PBT 50 % GR)
Shell	Zinc diecast (ZnAl4Cu1)
Shell plating	Ruthenium
Strain relief	Polyacetal (POM) (Brass)

Environmental

Temperature range	-40 °C to +75 °C
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Optical

Insertion loss	< 0.5 dB / connection
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Mobile cable	
Colour	black, matte
Core diameter	Single mode 9 µm, Multimode 50 µm
Cladding diameter	125 µm
Comment	PUR
minimal bending radius	16 cm
Number of fibers	2 or 4
Cable retention	Aramid yarn
Weigth	121 kg/km
Overall diameter	11.7 mm