



opticalCON SPLIT

Multichannel (up to 12 channel) cable solution based on opticalCON DUO, QUAD or MTP®.

Excellent cable retention due to aramid yarn, black PUR outer jacket.

The opticalCON cable connector accommodates PC optical channels based on conventional and proven LC or MTP® connectivity protected by 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.

Features & Benefits

- ✓ opticalCON multichannel solution based on the opticalCON DUO, QUAD or MTP®
- ✓ maximum flexibility combining 2-, 4- and 12-channel cables
- ✓ opticalCON multi mode fiber cables offer laser and bend optimized OM3 fibers
- ✓ 1 m SPLIT: mechanically damaged connectors can be reassembled with a slightly shortened cable split
- ✓ Color coding for channel identification
- ✓ Rugged fiber optic connection system
- ✓ For Point-to-Point multichannel routing

- ✓ Innovative spherical shutter guarantees low maintenance
- ✓ Dust and water resistant according to IP65 in mated condition

Cable cross section



Packaging options and max. cable length

			
0 Airscoil	3 Drum Schill GT380	4 Drum Schill HT582	5 Drum Schill GT450
< 2000 m	DUO-SPLIT on request	< 300 m	< 200 m

opticalCON Features



Technical Information

Product	
Title	opticalCON SPLIT

Mechanical

Cable retention	500 N
Insertion force	< 45 N
Withdrawal force	< 45 N
Lifetime (typ.)	2500 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	Black chromium
Strain relief	Brass (CuZn39Pb3) + PU, Ni

Environmental

Temperature range	-40 °C to +70 °C
Protection class	in mated condition IP65

Optical

Insertion loss	< 0.9 dB
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Mobile cable	
Colour	black, matte
Core diameter	Singlemode 9 µm, Multimode 50 µm OM3 µm
Cladding diameter	125 µm
minimal bending radius	10.9 cm
Number of fibers	12
Cable retention	Aramid yarn
Weigth	103 kg/km
Cable diameter	10.9 mm