



opticalCON MTP® 48 Cable

Assembled, rugged and lightweight 48-channel mobile field cable, excellent cable retention due to aramid yarn, black PUR outer jacket, available in multi mode (PC).

Cable O.D.: 8.0 mm



The opticalCON MTP® cable connector accommodates 48 optical fibers (multi mode PC) based on conventional and proven 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.

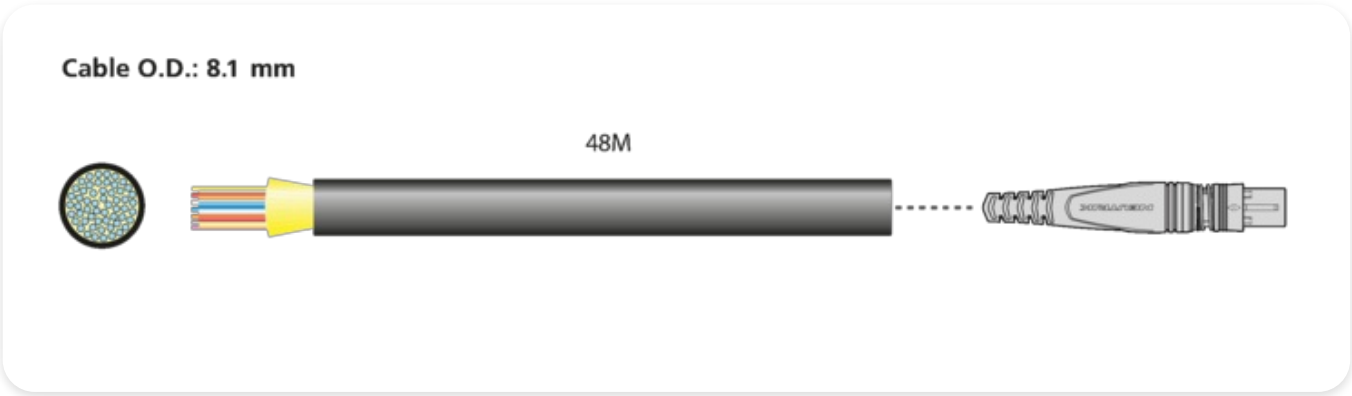
The cable connector comes pre-assembled and is not available as a single component. The cable is available in different lengths and is packed either in a case, on drum or airspool.

Features & Benefits

- ✓ Ruggedized and dirt-protected 48-channel fiber optic connection system
- ✓ For point-to-point multichannel routing based on MTP® technology
- ✓ Cable connector features rugged metal housing and heavy-duty cable retention
- ✓ Spherical shutter guarantees low maintenance
- ✓ Dust and water resistant according to IP65 in mated condition
- ✓ Easy to clean, no special tools required
- ✓ Reliable Push-Pull locking mechanism

- ✓ Cable connector comes pre-assembled with a choice of mobile field cables

Cable cross section



Packaging options and max. cable length

							
	0 Airlpool	1 opticalCON Case	2 Drum Schill GT310	3 Drum Schill GT380	4 Drum Schill HT582	5 Drum Schill GT450	6 Drum Schill SK4812
Wide	-	490 mm / 19.3"	ø 310 mm / 12.2"	ø 380 mm / 15.0"	ø 580 mm / 22.0"	ø 445 mm / 17.6"	518 mm / 20.4" ø 460 mm / 18.1"
High	-	340 mm / 13.4"	NOT AVAILABLE 230 mm / 9.1"	491 mm / 19.3"	710 mm / 28.0"	555 mm / 21.8"	562 mm / 22.1"
Depth	-	150 mm / 5.9"		303 mm / 11.9"	271 mm / 10.6"	312 mm / 12.2"	422 mm / 16.6"
Weight	-	1.5 kg	2.2 kg	4.7 kg	13.9 kg	5.4 kg	16.7 kg

Technical Information

Product	
Title	opticalCON MTP® 48 Cable

Mechanical

Cable retention	> 500 N
Insertion force	< 45 N
Withdrawal force	< 45 N
Lifetime (typ.)	2'500 mating cycles
Locking device	Push-Pull

Material

Boot	Rubber (EPDM)
Bushing	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 +75 °C
Protection class	in mated condition IP65

Optical

Insertion loss	< 0.9 dB
Optical connector	MTP® female
Optical wiring	Method A

Mobile cable	
Colour	black, matte
Core diameter	Multimode 50 µm
Cladding diameter	125 µm
Comment	PUR
Minimal bending radius	12.1 cm
Number of fibers	48
Cable retention	Aramid yarn
Weight	48 kg/km
Overall diameter	8.1 mm