



opticalCON MTP® 12 Cable

Assembled, rugged and lightweight 12-channel mobile field cable, excellent cable retention due to aramid yarn, black PUR outer jacket, available in single (APC) and multi mode (PC).

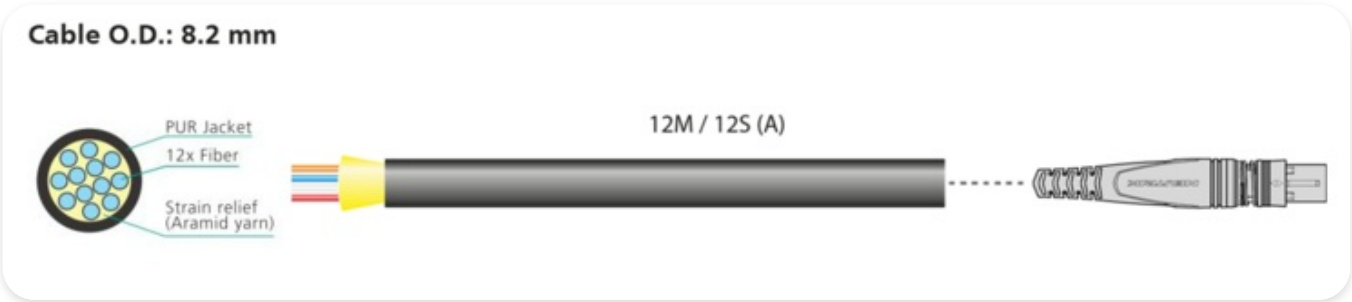
The opticalCON MTP® cable connector accommodates 12 optical fibers (multimode PC or single mode APC) based on conventional and proven MTP® connectivity protected by a ruggedized and durable all-metal housing. It features a spring loaded push-pull locking mechanism and an excellent cable retention utilizing 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

- ✓ Rugged 12-channel 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 Airs pool	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

opticalCON Features

Technical Information

Product	
Title	opticalCON MTP®

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 +75 °C
Protection class	in mated condition IP65

Optical

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

Mobile cable	
Colour	black, matte
Core diameter	Singlemode 9 µm, Multimode 50 µm OM3
Cladding diameter	125 µm
Comment	PUR
minimal bending radius	8.2 cm
Number of fibers	12
Cable retention	Aramid yarn
Weigth	103 kg/km
Overall diameter	8.2 mm