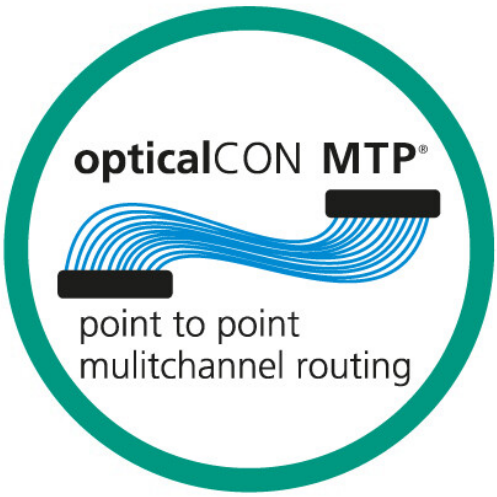
opticalCON MTP® 24 Cable

Assembled, rugged and lightweight 24-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 24 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.



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Features & Benefits

- Ruggedized and dirt-protected 24-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
- Type-A:2-2 according to TIA 568.3-D definition

Cable cross section

Cable O.D.: 7.0 mm

24M / 24S (A)

Packaging options and max. cable length

	0 Airspool	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	491 mm / 19.3"	710 mm / 28.0"	555 mm / 21.8"	562 mm / 22.1"
Depth	-	150 mm / 5.9"	230 mm / 9.1"	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

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Technical Information

Product	
Title	opticalCON MTP® 24 Cable

Mechanical	
Cable retention	> 500 N
Insertion force	< 45 N
Withdrawal force	< 45 N
Lifetime (typ.)	2'500 mating cycles
Wiresize	
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

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Optical

Insertion loss	< 0.9 dB
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	24
Cable retention	Aramid yarn
Weigth	43 kg/km
Overall diameter	7 mm

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