

# opticalCON MTP® 12 X-TREME Cable

Assembled, 12-channel X-TREME cable offering a cut-proof and rodent resistant double jacket glass yarn armored cable construction. Excellent cable retention due to aramid yarn, black PUR outer jacket.

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

- opticalCON X-TREME cable for demanding applications like touring / rental or outdoor broadcast
- opticalCON multimode fiber cables offer laser and bend optimized OM3 fibers
- Offers a cut-proof and rodent-resistant double-jacket, glass-yarn armored cable construction
- Rugged 12-channel fiber optic connection system


All rights reserved / 06.08.2026

- 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

**Cable O.D.: 10.9 mm**

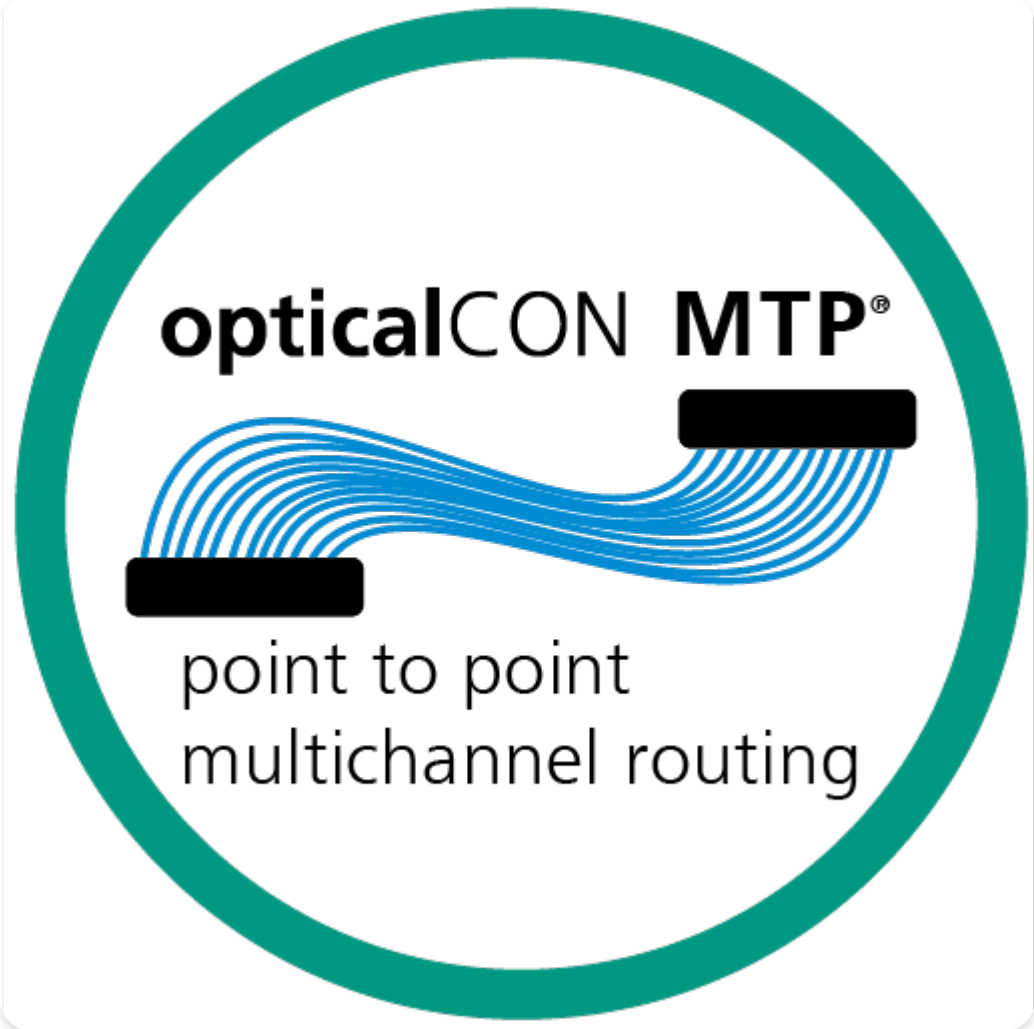



## Packaging options and max. cable length



| | 0<br>Airspool | 1<br>opticalCON Case | 2<br>Drum Schill GT310 | 3<br>Drum Schill GT380 | 4<br>Drum Schill HT582 | 5<br>Drum Schill GT450 | 6<br>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"<br>ø 460 mm / 18.1" |
| High | - | 340 mm / 13.4" | NOT AVAILABLE | NOT AVAILABLE | 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 | 4.2 kg | 13.9 kg | 5.4 kg | 16.7 kg |


All rights reserved / 06.08.2026




## opticalCON Features

## Technical Information

| Product | |
|---|---|
| Title | opticalCON MTP® X-TREME |


All rights reserved / 06.08.2026

NEUTRIK

| 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 (brass) |

| 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 |


All rights reserved / 06.08.2026

| Mobile cable | |
|---|---|
| Colour | black, matte |
| Core diameter | Singlemode 9 µm, Multimode 50 µm OM3 |
| Cladding diameter | 125 µm |
| Comment | PUR |
| minimal bending radius | 10.8 cm |
| Number of fibers | 12 |
| Cable retention | Aramid yarn |
| Weigth | 111 kg/km |
| Overal diameter | 10.8 mm |


All rights reserved / 06.08.2026