opticalCON QUAD X-TREME

Assembled, 4-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 QUAD cable connector accommodates four PC optical channels based on conventional and proven LC 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.
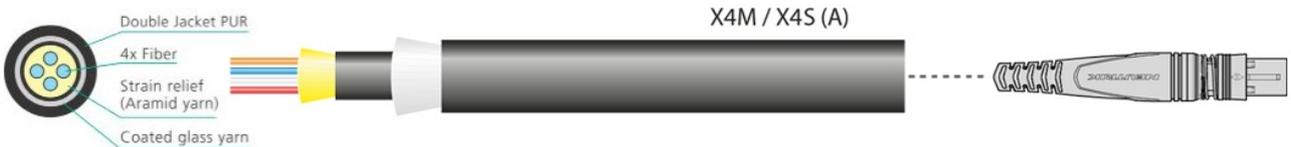
The cable connector comes pre-assembled and is not available as a single component. The cable is available in different lengths and is packed either in a case, on drum or airspool.

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Features & Benefits

- opticalCON X-TREME cable for demanding applications like touring / rental or outdoor broadcast

- Offers a cut-proof and rodent-resistant double-jacket, glass-yarn armored cable construction

- For Point-to-Point multichannel routing

- Dust and water resistant according to IP65 in mated condition

- opticalCON multi mode fiber cables offer laser and bend optimized OM3 fibers

- Rugged 4-channel fiber optic connection system

- Innovative spherical shutter guarantees low maintenance

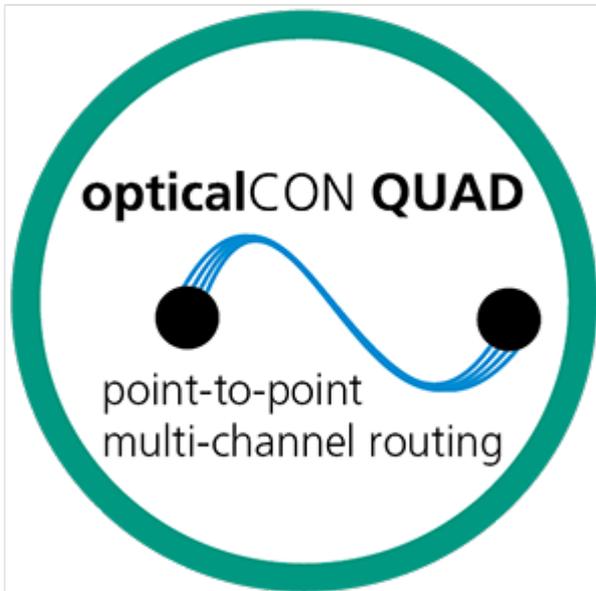## Cable cross section

Cable O.D.: 9.2 mm

Double Jacket PUR
4x Fiber
Strain relief (Aramid yarn)
Coated glass yarn

X4M / X4S (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

Cleaning

opticalCON_QUAD_X-TREME

opticalCON QUAD logo

opticalCON Features

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Technical Information

Product	
Title	opticalCON QUAD X-TREME
Gender	male

Mechanical	
Cable retention	500 N
Insertion force	< 45 N
Withdrawal force	< 45 N
Lifetime	> 5000 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	Polyacetal (POM) (brass)

Environmental	
Temperature range	-40 °C to +75 °C

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Optical

Fiber type	Multimode PC Singlemode PC
Insertion loss	< 0.45 dB / connection
Optical wiring	ISO / IEC 11801

Mobile cable

Colour	black, matte
Core diameter	single mode 9 µm, multi mode 50 µm
Cladding diameter	125 µm
Comment	PUR
minimal bending radius	9.2 cm
Number of fibers	4
Cable retention	Aramid yarn
Weigth	82 kg/km
Overal diameter	9.2 mm
Outer shield	coated glass yarn