

X-TREME



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FIBERFOX X-TREME EBC15 4CH Cable

The FIBERFOX X-TREME EBC15 4CH cable connector offers a cut-proof and rodent resistant double jacket glasses yarn cable construction. Excellent cable retention is achieved using aramid yarn.

The entire cable design is encased by a black PUR outer jacket. This makes the cable assembly ideal for outdoor applications. It withstands greater impacts caused by animals and the outdoor environment. FIBERFOX X-TREME is suited for a vast array of applications, including lighting, network, PA, video, broadcast, defence & government, railway, and petrochemical.

The innovative design ensures its ability for deployment in the toughest environments where constant performance and total reliability are critical. The connector is designed according to the MIL-DTL-83526 standard and fits to all other connectors with this standard.

FIBERFOX X-TREME is now available in both multimode and singlemode.

Benefiting from the expanded beam technology and the precision optical alignment the system creates high immunity against dust, mud, liquids, and other contaminations. The FIBERFOX hermaphroditic coupling eliminates the need for adaptors and female and male mating halves. The cable connector comes pre-assembled and is not available as a single component. The finished cable is available in standardized lengths and is packed either on a drum or airspool, and can be ordered in custom lengths upon request.

Features & Benefits

- ✓ Available in multimode and singlemode
- ✓ X-TREME cable protection for demanding outdoor applications
- ✓ Rodent-resistant & cut-proof
- ✓ Extreme robust, heavy-duty, connectors IP68 (mated & unmated)
- ✓ Cables are directly extendable, no couplers required
- ✓ Wear-free connectors, > 10'000 mating cycles without any maintenance
- ✓ Cable connectors are designed acc. To MIL-DTL-83526 and compatible with other connectors using this standard
- ✓ No special cleaning or measurement tools required



FIBERFOX X-TREME EBC15 4CH Ordering Options

Multimode Order Code	Multimode product code	Description	Singlemode order code
1036224	NKOX4M3-FX-0-050	FF X-TREME EBC15 MM 4CH 50m OM3 airspool	1038637
1036236	NKOX4M3-FX-3-050	FF X-TREME EBC15 MM 4CH 50m OM3 CableReel GT380	1038638

1036226	NKOX4M3-FX-0-100	FF X-TREME EBC15 MM 4CH 100m OM3 airspool	1038639
1036239	NKOX4M3-FX-3-100	FF X-TREME EBC15 MM 4CH 100m OM3 CableReel GT380	1038640
1036229	NKOX4M3-FX-0-150	FF X-TREME EBC15 MM 4CH 150m OM3 airspool	1038641
1036241	NKOX4M3-FX-5-150	FF X-TREME EBC15 MM 4CH 150m OM3 CableReel GT450	1038642
1036230	NKOX4M3-FX-0-200	FF X-TREME EBC15 MM 4CH 200m OM3 airspool	1038643
1036232	NKOX4M3-FX-0-300	FF X-TREME EBC15 MM 4CH 300m OM3 airspool	1038645
1036234	NKOX4M3-FX-0-500	FF X-TREME EBC15 MM 4CH 500m OM3 airspool	1038647
1036235	NKOX4M3-FX-0-1000	FF X-TREME EBC15 MM 4CH 1000m OM3 airspool	1038648

* Customized Cable Solutions with different lengths available upon request.

Markets & Applications

- ✓ Defense & Government
- ✓ Railway
- ✓ Oil & Gas Station
- ✓ Video

- ✓ PA Market
- ✓ Lighting & Network

Technical Information

Product	
Title	FIBERFOX X-TREME EBC15 4CH
Gender	Hermaphroditic

Mechanical	
Tensile Strength	1'800N
Compressive load	50'000N
Lifetime (typ.)	10'000 mating cycles
Bump resistance	4000 bumps @ 40g acceleration
Vibrational Sinusoidal	10-500Hz, 0.75 amplitude @ 10g acceleration

Material	
Boot	Rubber (EPDM)
Insert	Steel
Shell	Aluminium
Shell plating	Hard anodize
Strain relief	Brass

Environmental

Flammability	UL 94 V-0
Protection Class	IP68 mated and unmated (1m for 60 min)
Compatibility	MIL-DTL-83526
Temperature Range	-40°C to +70°C

Optical

Insertion Loss Multimode	Typ. 1.5dB per connection / Max. 2.5dB per connection
Return Loss Multimode	N/A
Insertion Loss Singlemode	Typ. 1.0 dB max. 2.0 dB per connection (according with IEC 61300-3-4) Max. 2.5dB per connection (acc. with IEC 61300-3-34)
Return Loss Singlemode	Typ. >32 dB (according with IEC 61300-3-6)
Optical Connector	EBC
Optical wiring	ISO / IEC 11801

Mobile cable	
Colour	Black, matte
Core diameter	Multimode 50µm / Singlemode 9µm
Cladding diameter	125 µm
Cable jacket	PUR
minimal bending radius	92 mm
Number of fibers	4
Cable rentation	Aramid yarn
Weight	82 kg/km
Overall diameter	9.2 mm
Outer shield	Coated glass yarn