FIBERFOX EBC15 2CH Cable

The FIBERFOX 2CH Cable connector is an expanded beam hermaphroditic connector suited for a vast array of applications, including Lighting, Network, PA, Video, Broadcast, Defense & 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 is compatible all other connectors which use this standard. Neutrik offers this extraordinary connector solution in singlemode and multimode.

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 an airspool.

All rights reserved / 12.10.2024

Features & Benefits

- available in multimode and singlemode
- Heavy-duty, connectors IP68 (even unprotected)
- Wear-free connectors, > 10.000 mating cycles without any maintenance
- No special cleaning or measurement tools required
- Cables are prolongable direct, no couplers required
- Ø = 5mm, PUR flame-retardant, halogen-free, bent tolerant
- Ready-made up with connectors EBC1502

All rights reserved / 12.10.2024

CABLE 2CH

Multimode order code	Multimode product code	Description	Singlemode order code	Singlemode product code	Description

All rights reserved / 12.10.2024

1027401	NKO2M3-FX-0-005	FIBERFOX MM 2CH 5m OM3 airspool		NKO2S-FX-0-005	FIBERFOX SM 2CH 5m airspool
1027402	NKO2M3-FX-0-010	FIBERFOX MM 2CH 10m OM3 airspool		NKO2S-FX-0-010	FIBERFOX SM 2CH 10m airspool
1027403	NKO2M3-FX-0-020	FIBERFOX MM 2CH 20m OM3 airspool		NKO2S-FX-0-020	FIBERFOX SM 2CH 20m airspool
1027404	NKO2M3-FX-0-050	FIBERFOX MM 2CH 50m OM3 airspool	1037493	NKO2S-FX-0-050	FIBERFOX SM 2CH 50m airspool
1027405	NKO2M3-FX-0-100	FIBERFOX MM 2CH 100m OM3 airspool	1037494	NKO2S-FX-0-100	FIBERFOX SM 2CH 100m airspool
1027406	NKO2M3-FX-0-150	FIBERFOX MM 2CH 150m OM3 airspool		NKO2S-FX-0-150	FIBERFOX SM 2CH 150m airspool
1027408	NKO2M3-FX-2-050	FIBERFOX MM 2CH 50m OM3 cable reel	1036523	NKO2S-FX-2-050	FIBERFOX SM 2CH 50m cable reel
1027409	NKO2M3-FX-2-100	FIBERFOX MM 2CH 100m OM3 cable reel	1036524	NKO2S-FX-2-100	FIBERFOX SM 2CH 100m cable reel

All rights reserved / 12.10.2024

1027410	NKO2M3-FX-2-150	FIBERFOX MM 2CH 150m OM3 cable reel	1038224	NKO2S-FX-2-150	FIBERFOX SM 2CH 150m cable reel
*Customized Cable Solutions with different length up on request.					

All rights reserved / 12.10.2024

NEUTRIK

Technical Information

Produkte	
Title	FIBERFOX EBC15 2CH
Gender	Hermaphroditic

Mechanische Daten	
Tensile Strength	1'800N
Compressive load	50'000N
Lifetime	>10000 mating cycles
Free fall Resistance	500 falls onto concrete from 1.2M height
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

Umwelt	
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

All rights reserved / 12.10.2024

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	ISO / IEC 11801

Mobile cable	
Colour	Black, shiny
Core diameter	Multimode 50µm / Singlemode 9µm
Cladding diameter	125 µm
Comment	PUR, halogen free
minimal bending radius	5.0 cm
Number of fibers	2
Cable rentation	Aramid yarn
Weight	23kg/km
Overal diameter	Ø 5.0 mm

All rights reserved / 12.10.2024