



## FIBERFOX 2CH Cable

The FIBERFOX 2CH Cable connector is an expanded beam multimode 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 fits to all other connectors with this standard.

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.

### Features & Benefits

- Heavy-duty, connectors IP68 (even unprotected)
- No special cleaning or measurement tools required
- $\varnothing = 5\text{mm}$ , PUR flame-retardant, halogen-free, bent tolerant
- Wear-free connectors, > 10.000 mating cycles without any maintenance
- Cables are prolongable direct, no couplers required
- Ready-made up with connectors EBC1502



## CABLE 2CH

Code	Description
NKO2M3-FX-0-005	FIBERFOX MM 2CH 5m OM3 airspool
NKO2M3-FX-0-010	FIBERFOX MM 2CH 10m OM3 airspool
NKO2M3-FX-0-020	FIBERFOX MM 2CH 20m OM3 airspool
NKO2M3-FX-0-050	FIBERFOX MM 2CH 50m OM3 airspool
NKO2M3-FX-0-100	FIBERFOX MM 2CH 100m OM3 airspool
NKO2M3-FX-0-150	FIBERFOX MM 2CH 150m OM3 airspool
NKO2M3-FX-2-050	FIBERFOX MM 2CH 50m OM3 cable reel
NKO2M3-FX-2-100	FIBERFOX MM 2CH 100m OM3 cable reel
NKO2M3-FX-2-150	FIBERFOX MM 2CH 150m OM3 cable reel
*Customized Cable Solutions with different length up on request.	

## Technical Information

Produkte	
<b>Title</b>	FIBERFOX 2CH
<b>Gender</b>	Hermaphroditic

Mechanische Daten	
<b>Tensile Strength</b>	1'800N
<b>Compressive load</b>	50'000N
<b>Lifetime</b>	>10000 mating cycles
<b>Free fall Resistance</b>	500 falls onto concrete from 1.2M height
<b>Bump resistance</b>	4000 bumps @ 40g acceleration
<b>Vibrational Sinusoidal</b>	10-500Hz, 0.75 amplitude @ 10g acceleration

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

Umwelt	
<b>Flammability</b>	UL 94 V-0
<b>Protection Class</b>	IP68 (6m water depth and 30min) mated and unmated
<b>Compatibility</b>	MIL-DTL-83526
<b>Temperature Range</b>	-40°C to + 70°C

Optical	
<b>Insertion loss</b>	Typ. 0.7dB per Connector / Max. 1.0dB per Connector
<b>Optical connector</b>	EBC
<b>Optical wiring ISO / IEC 11801</b>	ISO / IEC 11801

Mobile cable	
<b>Colour</b>	Black, shinny
<b>Core diameter</b>	Multimode 50µm
<b>Cladding diameter</b>	125 µm
<b>Comment</b>	PUR, halogen free
<b>minimal bending radius</b>	5 cm
<b>Number of fibers</b>	2
<b>Cable rentation</b>	Aramid yarn
<b>Weight</b>	23kg/km
<b>Overall diameter</b>	Ø 5 cm