



FIBERFOX 4CH Cable

The FIBERFOX 4CH 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

- Ø = 5,5mm, PUR flame-retardant, halogen-free, bent tolerant
- Heavy-duty, connectors IP68 (even unprotected)
- Wear-free connectors, > 5.000 mating cycles without any maintenance
- Ready-made up with connectors EBC1504
- Cables are prolongable direct, no couplers required
- No special cleaning or measurement tools required



CABLE 4CH

Code	Description
NKO4M3-FX-0-005	fiberFOX MM 4CH 5m OM3 airspool
NKO4M3-FX-0-010	fiberFOX MM 4CH 10m OM3 airspool
NKO4M3-FX-0-020	fiberFOX MM 4CH 20m OM3 airspool
NKO4M3-FX-0-050	fiberFOX MM 4CH 50m OM3 airspool
NKO4M3-FX-0-100	fiberFOX MM 4CH 100m OM3 airspool
NKO4M3-FX-0-150	fiberFOX MM 4CH 150m OM3 airspool
NKO4M3-FX-2-050	fiberFOX MM 4CH 50m OM3 cable reel
NKO4M3-FX-2-100	fiberFOX MM 4CH 100m OM3 cable reel
NKO4M3-FX-2-150	fiberFOX MM 4CH 150m OM3 cable reel
*Customized Cable Solutions with different length up on request.	

Technical Information

Product	
Title	FIBERFOX 4CH
Gender	Hermaphroditic

Mechanical	
Tensile Strength	1'800N
Compressive load	50'000N
Lifetime	>5000 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

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

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

Mobile cable

Colour	Black, shinny
Core diameter	Multimode 50µm
Cladding diameter	125 µm
Comment	PUR, halogen free
minimal bending radius	5.5 cm
Number of fibers	4
Cable rentation	Aramid yarn
Weight	23kg/km
Overall diameter	Ø 5.5 cm