

## FIBERFOX EBC15 4CH fixed patch cable



The FIBERFOX EBC15 4CH fixed patch cable is an expanded beam multimode hermaphroditic chassis connector and 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 chassis connector is designed according to the MIL-DTL-83526 standard and fits to all other connectors with this standard. These two listings say "Available in Multimode or Singlemode." However, the ordering options as shown on the web pages are only single mode.

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 bridge chassis connector is the first one who converts a standardized LC Patch cable into an expanded beam solution. It acts as a "feed-through" and fits into standard D-size shell.

## Features & Benefits

- Available in multimode and singlemode
- Suitable for installation and wireways without special tools
- Integration of other fiber optic systems into FIBERFOX
- No splicer, no expertise required for Installation
- Very compact design - fits in every D-hole just like opticalCON©
- Easy patching with common patch Cords (LC to LC, LC to SC, LC to ST)
- IP68 Waterproof even without a protective cap, optimized for outdoor use
- Extremely service-friendly



## FIBERFOX EBC15 4CH ordering options

Code	Description
NO4SDW-FX-LC-0.5	FF EBC15 Chassis 4CH SM 0.5m Fixed LC Patch cable
NO4SDW-FX-LC-1	FF EBC15 Chassis 4CH SM 1m Fixed LC Patch cable
NO4SDW-FX-LC-2	FF EBC15 Chassis 4CH SM 2m Fixed LC Patch cable

## Technical Information

Product	
Title	FIBERFOX EBC15 4CH fixed patch cable
Gender	Hermaphroditic

Mechanical	
Mounting Direction	Front & Rear Mounting
Chassis Shape	D-Shape
Lifetime	>10000 mating cycles
Locking device	Screwed
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	
Insert	Steel
Shell	Aluminium
Shell plating	Hard anodize
Strain relief	Brass

Environmental	
Flammability	UL 94 V-0
Protection Class	IP68 (mated and unmated) (6m for 30 min)
Compatibility	MIL-DTL-83526
Temperature Range	-40°C to +70° C

<b>Optical</b>	
<b>Insertion Loss Multimode</b>	Typ. 0.7 dB per Connector / Max. 1.0dB per Connector
<b>Return Loss Multimode</b>	N/A
<b>Insertion Loss Singlemode</b>	Typ. 1.0 dB max. 2.0 dB (according with IEC 61300-3-4) Max. 2.5dB (acc. with IEC 61300-3-34)
<b>Return Loss Singlemode</b>	Typ. >32 dB (according with IEC 61300-3-6)
<b>Optical Connector</b>	EBC
<b>Optical wiring ISO / IEC 11801</b>	ISO / IEC 11801