

FIBERFOX EBC15 4CH fixed patch cable

The FIBERFOX EBC15 4CH fixed patch cable is an expanded beam singlemode hermaphroditic chassis connector suited for a vast array of applications. With its D-Size is suitable for all kinds of industrial, defense & government or even railway applications.



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.



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 EBC15 4CH fixed patch cable connector converts a standardized LC patch cable into an expanded beam solution. It acts as a "feed-through".

Features & Benefits

- ✓ Available in 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®

- ✓

pre-terminated with premium LC cable assembly
- ✓

IP68 Waterproof even without a protective cap, optimized for outdoor use
- ✓

Extremely service-friendly



FIBERFOX EBC15 4CH ordering options

Order code	Product code	Description
1037442	NO4SDW-FX-LC-0.5	FF EBC15 Chassis 4CH SM 0.5m Fixed LC Patch cable
1037444	NO4SDW-FX-LC-1	FF EBC15 Chassis 4CH SM 1m Fixed LC Patch cable
1037446	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 (1m for 60 min)
Compatibility	MIL-DTL-83526
Temperature Range	-40°C to +70° C

Optical	
Insertion Loss Singlemode	Typ. 1.0 dB/per connection 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