

FIBERFOX EBC15 2CH fixed patch cable



The FIBERFOX EBC15 2CH fixed patch cable is an expanded beam multimode 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. These two listings say “Available in Multimode or Singlemode.” However, the ordering options as shown on the web pages are only single mode.



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 2CH 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 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 jam-nut design
- 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 low maintenance



FIBERFOX EBC15 2CH ordering options

Code	Description
NO2SDW-FX-LC-0.5	FF EBC15 Chassis 2CH SM 0.5m Fixed LC Patch cable
NO2SDW-FX-LC-1	FF EBC15 Chassis 2CH SM 1m Fixed LC Patch cable
NO2SDW-FX-LC-2	FF EBC15 Chassis 2CH SM 2m Fixed LC Patch cable

Market & Application

- Railway
- Oil & Gas Station
- Video
- PA Market
- Lighting & Network

Technical Information

Product	
Title	FIBERFOX EBC15 2CH 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

Optical	
Insertion Loss Multimode	Typ. 0.7 dB per Connector / Max. 1.0dB per Connector
Return Loss Multimode	N/A
Insertion Loss Singlemode	Typ. 1.0 dB max. 2.0 dB (according with IEC 61300-3-4) Max. 2.5dB (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