

FIBERFOX EBC25 4CH fixed patch cable



The FIBERFOX EBC25 4CH fixed patch cable is an expanded beam multimode hermaphroditic chassis connector suited for a vast array of applications. With its jam-nut design 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 EBC25 4CH chassis connector converts a standardized LC patch cable into an expanded beam solution. It acts as a “feed-through” and has a jam-nut design.

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
- IP68 Waterproof even without a protective cap, optimized for outdoor use
- Extremely low maintenance



FIBERFOX EBC25 4CH ordering options

Code	Description
NO4SJW-FG-LC-0.5	FF EBC25 Chassis 4CH SM 0.5m Fixed LC Patch cable
NO4SJW-FG-LC-1	FF EBC25 Chassis 4CH SM 1m Fixed LC Patch cable
NO4SJW-FG-LC-2	FF EBC25 Chassis 4CH SM 2m Fixed LC Patch cable

Market & Application

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

Technical Information

Product	
Title	FIBERFOX EBC25 4CH fixed patch cable
Gender	Hermaphroditic

Mechanical	
Mounting Direction	Front & Rear Mounting
Chassis Shape	Jam nut
Lifetime (typ.)	10000 mating cycles
Locking device	Screwed
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 (15m for 24h acc. MIL-DTL-83526D Section 3.11.28) and unmated (1m for 24h)
Compatibility	MIL-DTL-83526
Temperature Range	-46°C to +71°C (-51°F to 160°F)

Optical	
Insertion Loss Multimode	Typ. 0.7 dB per connection / Max. 1.0dB per connection
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	EBC25
Optical wiring	ISO / IEC 11801