

FIBERFOX EBC25 4CH chassis



The FIBERFOX EBC25 4CH chassis 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.

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

- Suitable for installation and wireways without special tools
- No splicer, no expertise required for Installation
- Easy patching with common patch Cords (LC to LC, LC to SC, LC to ST)
- Extremely low maintenance
- Integration of other fiber optic systems into FIBERFOX
- Very compact jam-nut design
- IP68 Waterproof even without a protective cap, optimized for outdoor use



FIBERFOX EBC25 4CH ordering options

Order code	Product code	Description
1036500	NO4M4JW-FG	FIBERFOX EBC25 Chassis 4CH MM OM4

Market & Application

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

Technical Information

Product	
Title	FIBERFOX EBC25 4CH chassis
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	Typ. 1.5dB per connection / Max. 2.5dB per connection
Optical connector	EBC25
Optical wiring	ISO / IEC 11801