



## FIBERFOX EBC15 4CH briDge

The FIBERFOX 4CH briDge 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.



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

- ✓ 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 cables (LC to LC, LC to SC, LC to ST)

WARNING: Boot diameter must be smaller than 5mm. Suitable Neutrik patch cables are available.

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



BRIDGE 4CH

| Order code | Product code | Description                                |
|------------|--------------|--|
| 1027422    | NO4M4DW-FX   | FIBERFOX briDge Chassis coupler 4CH MM OM4 |

Technical Information

| Product |                     |
|---------|---------------------|
| Title   | FIBERFOX 4CH briDge |
| 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                 | Typ. 1.5dB per connection / Max. 2.5dB per connection |
| Optical Connector              | EBC   |
| Optical wiring ISO / IEC 11801 | ISO / IEC 11801                                       |