

FIBERFOX 2CH briDge



The two-channel FIBERFOX 2CH 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
- No splicer, no expertise required for Installation
- Easy patching with common patch Cords (LC to LC, LC to SC, LC to ST)
- Extremely service-friendly
- Integration of other fiber optic systems into FIBERFOX
- Very compact design - fits in every D-hole just like opticalCON©
- IP68 Waterproof even without a protective cap, optimized for outdoor use



BRIDGE 2CH

| Code | Description |
|------------|--|
| NO2M4DW-FX | FIBERFOX briDge Chassis coupler 2CH MM OM4 |

Technical Information

| Product | |
|---------------|---------------------|
| Title | FIBERFOX 2CH 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) |
| Compatibility | MIL-DTL-83526 |
| Temperature Range | -40°C to +70°C |

| Optical | |
|---------------------------------------|--|
| Insertion loss | Typ. 0.9dB per Connector / Max. 1.45dB per Connector |
| Optical connector | EBC |
| Optical wiring ISO / IEC 11801 | ISO / IEC 11801 |

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