

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

- Defense & Government
- 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 Value Typ. 1.0 dB max. 2.0 dB (according with IEC 61300-3-4) | 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 |