Fibreco Mini Series Expanded Beam

Fibreco Mini expanded beam fibre optic connectors have been designed for use in the most demanding harsh environment applications including military tactical communications, outside broadcast, petrochemical plant, mining, and offshore systems.

The Fibreco Mini expanded beam plug connector has a diameter of just 21mm making it ideal for applications where size and space requirements are critical. The Mini bulkhead connector is available with D-hole, square-flange and XLR mounting options. Low profile versions are also available.

Fibreco Mini expanded beam connectors offer a cost effective high performing, compact and flexible solution that is proven in the toughest environments and is the solution for mission critical communications.

Applications

- Broadcast
- Military communications
- Industrial, mining and petrochemical
- Intermateable with Stratos HMC¹, Tyco Pro-beam mini² & Telecast MX²

Features & Benefits

10000

- Advanced expanded beam technology
- Hermaphroditic interconnection
- 1 to 4 fibre channels single mode or multi mode
- Compact size plug with only a 21mm outside diameter
- Rugged housing and construction
- Keyed boot for 'Blind Mating'
- Industry leading expanded beam optical performance
- No adapters necessary
- Inexpensive, low downtime field cleaning requiring no special tools
- Designed to match optical requirements of MIL83526

1. Request Fibreco 'Mini 1'

2. Request Fibreco 'Mini 2'

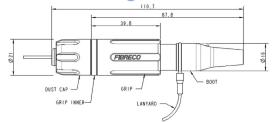
For further information: www.fibreoptic.com.au +61 3 9757 3000

Technical Specifications

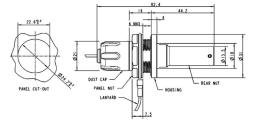
	Singlemode 9/125um @1310/1550nm	Multimode 50/125um @ 850/1300nm
Insertion loss	1-4 Channel: 1.5 dB max 1.0 typ	1-4 Channel: 1.0 dB max 0.7 typ
Return loss	> 32 dB (typical 40dB)	> 20 dB
Durability	3000 matings minimum	
Operating temperature	-40 to +85°C	
Storage temperature	-55 to +85°C	
Water immersion	up to 15M depth	
Vibration sinusoidal	10-500Hz, 0.75 amplitude @ 10g acceleration, 3 directions	
Free fall resistance	500 falls onto concrete from 1.2M height	
Bump resistance	4000 bumps @ 40g acceleration	
Crush resistance	6.7 kN	
Corrosion resistance	500 hours salt spray	
Tensile strength	Tensile of 1500N, cable dependent	
Weight (nominal)	Plug	Bulkhead
	Aluminium: 120g	110g
Connector shell material &	Body: Black anodised aluminium with stainless steel grip ring	
colour	Grip and boot: black or olive green	

Connector Geometry & End Face Arrangement

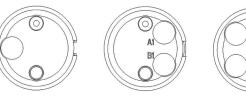
Junior EB Plug



Junior EB Jam Nut Bulkhead



Channel Arrangement



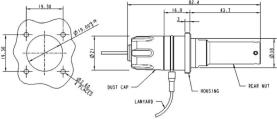


2086 - 1CH OPTICAL

1745 - 2CH OPTICAL

1746 - 4CH OPTICAL

Junior EB Flange Mount Bulkhead



Note: All dimensions are in mm

Active | Passive | Test Equipment | Tooling | Cable | Fibre Management

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