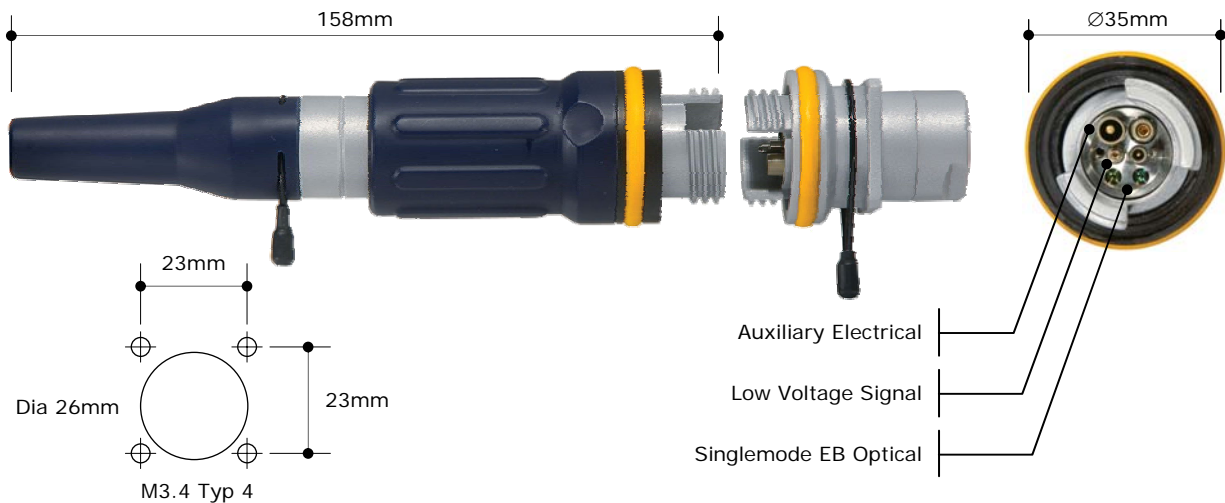




FIBERFOX EBC70

HD & SD TV Expanded Beam Connector



Top Left:

EBC70 Plug and receptacle assembly showing blind mate thumb feature and interchangeable colour identification system.

Bottom Left:

EBC70 Receptacle panel mount detail

Top Right:

Opto-electrical pin-out configuration.

APPLICATION

- Rugged Hermaphroditic
- Adapter Free Deployment
- SMPTE Compatible
- Flexible Install Options
- Field Re-instatement Solutions
- Ergonomic Design
- High Performance
- Easy Clean Interface
- Non-contact Optics
- High reliability/durability
- IP 67 Sealing
- Worldwide Support

DESCRIPTION

The EBC70 Series HD & SD TV non-contact connectors

These hybrid fiber /electrical connectors are backed by more than 25 years experience with expanded beam (EB) fiber connector technology and are already the performance bench-mark in military harsh environment tactical applications where reliability and consistent field performance are a given.

In support of the deployment of **HDTV** and progressing from the limitations of legacy fiber contacting connector interfaces, has drawn on its unique experience for the development of the **EBC70** Broadcast Series. With world leading singlemode EB optical performance using **protected lensed fibers**, the **EBC70** is designed to meet and exceed the generic requirements of the SMPTE specifications. On cameras at Studio or OB locations **EBC70** Series connectors provide a solution that will work first time and every time. Offering unrivalled performance and versatility with low cost de-skilled field re-instatement solutions, and World- Wide support the **EBC70** are now set to become the new bench-mark for hybrid connectors in the challenging Broadcast environment.

SPECIFICATION

Optical Insertion Loss Typ -0.75dB, (Singlemode 9/125 μ m 1310nm)

Optical Return Loss >-45dB

Auxiliary Power Elec. 600V ac 10A

Signal Elec. 42V ac 1A 60V dc 1A

Auxiliary Power Contact resistance <4m Ω

Signal Elec. Contact resistance <5 m Ω

Operating Temperature -40°C to +85°C

Storage Temperature -55°C to +85°C

Tensile Load >1000N (Cable dependant)

Endurance >5000 mating cycles

IP 67 Environmental Seal rating

Crush Resistance >3000N

Free fall, 500 onto concrete from 1.2m

ORDERING INFORMATION

Order Code	Item
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27001030	Cable plug, lens, Expanded Beam, 2-fiber+ 4-power, singlemode
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27001031	Receptacle, lens, Expanded Beam, 2-fiber+ 4-power, singlemode
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CONTACT INFORMATION

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