

Features:

- Resistance to shock and vibration in harsh environments
- Rated for a high number of mating-cycles
- Excellent resistance to dirt and debris
- Sealed optical interface
- Requires less maintenance when compared to physical contact (PC) termini
- Intermatable with industry standard size 16 expanded beam termini
- Configurations available in Micro Military 38999 Plug and Receptacle connectors with multiple options of termini and connectors on the second cable end



The C-Beam Expanded Beam termini is ideal where high mating cycles and harsh environmental durability is required.



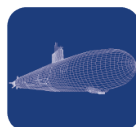
COMMERCIAL
AEROSPACE



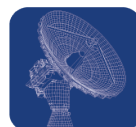
MILITARY
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MILITARY
TACTICAL



SUBSEA
NETWORKING



RADAR &
SENSING



OIL &
EXPLORATION

General Description

Expanded Beam is used in harsh environments where vibration, dust, moisture, or wind are prevalent because of its ability to minimize the environmental effects. Combine that with the Micro Military Connector and you have complete connection system for your design.

The COTSWORKS C-Beam meets key performance benchmarks for a broad range of applications such as commercial and military aerospace, industrial control, and ground based military systems. Designed for general use in harsh vibration, shock, and environmental settings as well as high altitude, unpressurized aircraft zones.

Specifications

Mechanical Specifications

- Designed to comply with size 16 insert for Micro Military 38999

Agency/Safety Specifications

- RoHS requirements per 6/6

Environmental Specifications (designed but not yet tested)

- Thermal Cycling per DO-160 E, Category B, -55°C to +95°C
- Storage temperature -55°C to +95°C
- Equipment Operational Shock per MIL-HDBK-5400
- Crash Safety per MIL-HDBK-5400
- Endurance and Functional Random Vibration per MIL-STD-810F

Contact COTSWORKS for mechanical configuration and ordering information.

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