

## Qbeam

### 4 Channel Expanded Beam Connector



#### Key Features

- Expanded Beam technology
- Multimode
- Hermaphroditic Interface
- 4 Channels
- Durable Black Anodised Finish
- Easy clean, protective window
- Fully sealed construction
- Intermateable with Amphenol CTOS®

The Qbeam 4 Channel Expanded Beam Fibre Optic Connector has been designed to the latest MIL requirements. The expanded beam connector uses a drum lens to collimate the signal at many times the original diameter.

This technology makes the connector very resistant to shock, vibration and environmental issues. Because the system is non-contact, the connector life is in excess of 5,000 mating cycles. The protective window is easy to clean and makes the connector ideal for field use in extreme conditions.

The hermaphroditic design allows multiple cables to be directly connected without adaptors or receptacles (daisy chained).

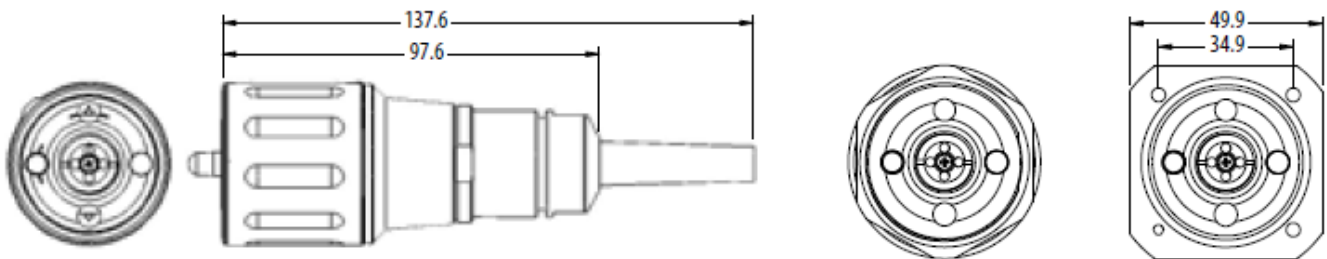
## Qbeam 4 Channel Expanded Beam Connector

### Specification

<b>Insertion Loss</b>	1.5dB Typical - Multimode
<b>Return Loss</b>	-22dB Typical
<b>Mating Durability</b>	5000 cycles
<b>Operating Temperature</b>	-40°C to +85°C
<b>Impact</b>	26 Impacts @1.2m on concrete
<b>Corrosion Resistance</b>	500 Hours Salt Spray
<b>Vibration</b>	10-2000Hz / 10g
<b>Mechanical Shock</b>	50g for 11ms
<b>Groundwater Immersion</b>	>1m depth

### DIMENSIONS

Qbeam 4 Channel Expanded Beam Connector & Jam Nut or Flange Mount Receptacle:



Dimensions are in millimeters, drawings displayed at a .45 scale