

HxMA Singlemode Expanded Beam



The industry proven expanded beam technology provides an optical alignment system immune from water, mud, dust, oil and other contaminants. The HxMA design offers high performance and reliability in the toughest of environments.

The hermaphroditic coupling eliminates the need for adaptors making it easy to daisy chain cables in the field. Rapid deployment, and rugged design makes the HxMA ideally suited for high bandwidth applications requiring singlemode. The connector is compatible with tactical cable in both two and four channel. No additional strain relief, termini, dust caps or boots required.

Features

- Expanded Beam technology
- Hermaphroditic interconnection
- 2 & 4 channels available
- Serviceable and Rugged
- High cable retention
- Keyed boot for blind mating

Benefits

- Best optical performance
- No adaptors necessary
- System design options
- Easy to clean lens
- No special backshells required
- Easier to mate in hard to reach places

Applications

- Broadcast
- Petrochemical
- Military
- Industrial
- Medical

Materials

- Anodized high grade alloy
- Fiber: 9/125
- AR coated lens
- Neopreme BR568 grip with color coding

Optical Performance

- Insertion Loss (dB typ.)0.8
- Fiber Type9/125
- Return Loss (dB min.)45
- Durability500 cycles

Environmental Performance

- Operating Temperature.....-40C to 70C
- Storage Temperature.....-55C to 85C
- Water Immersion.....up to 2M depth
- Vibration.....10-500Hz,0.75amplitude@10g
- Tensile Strength.....1500N, cable dependant
- Impact......500 from 1.2M height
- Shock4000 bumps@ 40g acceleration

