

HF-HMA Adapter Series Datasheet

The Camplex HF-HMA series of passive OM4 Multimode MIL-DTL-83526 adapters are designed to interface Neutrik FIBERFOX expanded beam or any MIL-DTL-83526 ecosystem, with opticalCON DUO or QUAD assemblies—solving the challenge of interconnecting these two families within the same signal chain. Ideal for broadcast, live production, and permanent installation environments where both connector families coexist. Available in 2-Channel or 4-Channel OM4 Multimode opticalCON DUO and QUAD configurations.

Features:

- High-Quality Neutrik FIBERFOX and opticalCON Connectors
- Compatible with FIBERFOX Systems and all MIL-DTL-83526 Systems
- Rugged Aluminum Housing
- Available in 2-Channel or 4-Channel OM4 Multimode, DUO or QUAD



HF-HMA2-OC2M



HF-HMA4-OC4M



HF-HMA4-OC2M



HF-HMA4-HMA2-M4

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Specifications:

Overall Specifications:

- **Fiber Type:** OM4 Multimode
- **Dimensions (W x H x L):**
 - HF-HMA2-OC2M: 1.25" x 1.027" x 6.56"
 - HF-HMA4-OC2M: 1.69" x 3.07" x 6.78"
 - HF-HMA4-OC4M: 1.25" x 1.027" x 6.56"
 - HF-HMA4-HMA2-M4: 1.69" x 3.07" x 7.66"

FIBERFOX HMA 2-Channel/4-Channel Connectors:

- **Gender:** Hermaphroditic
- **Insertion Loss:** Typ. 1.5dB per connection / Max. 2.5dB per connection
- **Optical Connector:** EBC
- **Optical Wiring:** ISO/IEC 11801
- **Lifetime:** >10000 mating cycles
- **Locking Device:** Screwed
- **Free Fall Resistance:** 500 falls onto concrete from 1.2m height
- **Bump Resistance:** 4000 bumps @ 40g acceleration
- **Vibrational Sinusoidal:** 10-500Hz, 0.75 amplitude @ 10g acceleration
- **Protection Class:** IP68 mated and unmated (1m for 60 min)
- **Compatibility:** MIL-DTL-83526

Neutrik opticalCON Connectors:

- **Insertion Loss:**
 - DUO: < 0.4 dB / connection
 - QUAD: < 0.5 dB / connection
- **Insertion Force:** < 45 N
- **Withdrawal Force:** < 45 N
- **Lifetime:** 5000 Mating Cycles
- **Locking Device:** Push-Pull
- **Protection Class:** IP65 in mated condition in combination with SCDP-*