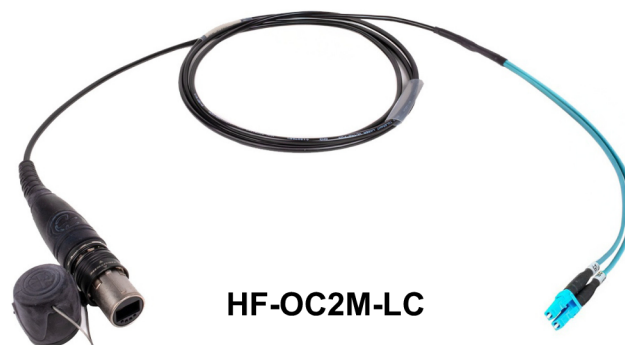


HF-OC2M-XX Breakout Datasheet

The Camplex HF-OC2M series of ruggedized high-performance 2-channel OM3 Multimode opticalCON DUO tactical breakout assemblies. This series utilizes a tactical, tight-buffered OM3 Multimode fiber cable with a polyurethane jacket for durability, reliability, and protection in harsh environments. The Neutrik opticalCON DUO connectors provide exceptional optical performance and protection against dirt and dust with their automatically operated sealing cover. The HF-OC2M series suits professional broadcast, audio, and field production applications. Available in LC, SC, and ST breakout connector configurations.

Features:

- High Quality Neutrik opticalCON DUO connectors
- 2-channel OM3 Multimode cable
- Aramid Yarn Strength Member provides strength and crush resistance
- No Electrical conductors – Fiber only
- Tactical Tight-Buffered PUR cable jacket



HF-OC2M-LC



HF-OC2M-SC



HF-OC2M-ST

HF-OC2M-XX Breakout Datasheet

Specifications:

Fiber Specifications:

- **Fiber Type:** Bend Tolerant OM3 Multimode
- **Core/Cladding Diameter (µm):** 50/125
- **Numerical Aperture:** 0.20
- **Wavelength (m):** 850/1310
- **Gigabit Ethernet Distance (m):** 1000/600
- **10-Gigabit Ethernet Distance (m):** 300/300
- **Max Cabled Attenuation (dB/km):** 3.5/1.5
- **Min Laser EMB Bandwidth:** 2000/500
- **Min OFL LED Bandwidth:** 1500/500
- **Primary Coating Diameter (µm):** 245
- **Secondary Coating Diameter (µm):** 900
- **Proof Test Level:** 100
- **Jacket Material:** Polyurethane
- **Buffer Material:** Hard Elastomeric
- **Cable Diameter:** 0.20in (5.0mm)
- **Impact Resistance:** 1,500 Impacts
- **Crush Resistance:** 1,800 N/cm
- **Max Tensile Load:**
 - **Installation:** 400lbs (1800 N)
 - **Operating:** 130lbs (600 N)
- **Min Bend Radius:**
 - **Installation:** 2.0in (5.0cm)
 - **Operating:** 1.0 in (2.5cm)
- **Temperature:**
 - **Operating:** -40°F to 185°F (-40°C to +85°C)
 - **Storage:** -94°F to 185°F (-70°C to +85°C)

Neutrik opticalCON DUO Connector:

- **Type:** Duplex LC-UPC
- **Insertion Loss:** < 0.5 dB / connection
- **Lifetime:** 5000 mating cycles
- **Locking Device:** Push-Pull

Senko Connectors:

- **Typical Insertion Loss (dB):**
 - **LC:** 0.10
 - **SC:** 0.10
 - **ST:** 0.15
- **Max. Insertion Loss (dB):** 0.20
- **Typical Return Loss (dB):** ≥25