

HF-TROC2M4 Series Datasheet

The Camplex HF-TROC2M4 series features 2-channel OM4 Multimode opticalCON DUO tactical snake assemblies on reels. The helically stranded cable core provides increased flexibility and the opticalCON shutter system offers added protection from dirt, dust and water. With heavy duty reels designed for streamlined deployment and retrieval, the HF-TROC2M4 series is ideal for indoor and outdoor use in broadcast field production, rental houses, digital signage, networking, and more. Available with a coiler attachment, or with a connectorized hub (HF-TROC2M4H).

Features:

- Lightweight, rugged deployable fiber optic cable
- Thick layers of aramid strength members increase the crush resistance of the cable
- Polyurethane jacket provides abrasion, cut, and chemical resistance
- High-quality Neutrik opticalCON QUAD and Neutrik Chassis mount for reliable performance
- Automatic sealing cover for maximum dust and dirt protection
- Heavy-duty reel
- Connectorized Hub versions feature Neutrik NO2-4FDW-A chassis connectors



HF-TROC2M4



HF-TROC2M4H

HF-TROC2M4 Series Datasheet

Specifications:

Fiber:

- **Fiber Type:** Bend-tolerant OM4 Multimode
- **Core Diameter:** 50µm
- **Cladding Diameter:** 125µm
- **Primary Coating Diameter:** 245µm
- **Secondary Coating Diameter:** 900µm
- **Numerical Aperture:** 0.2
- **Proof Test Level:** 100 kpsi
- **Jacket Material:** Flame retardant Tactical Polyurethane
- **Buffer Material:** Hard Elastomeric
- **Cable Diameter:** 0.19in (5.0mm)
- **Gigabit Ethernet Distance:** 1040/600
- **10-Gigabit Ethernet Distance:** 550/300
- **Maximum Attenuation:** 3.0/1.0 dB/km
- **Minimum Laser Bandwidth:** 4700/500 MHz-km
- **Minimum LED Bandwidth:** 3500/500 MHz-km
- **Impact Resistance:** 1500 Impacts
- **Crush Resistance:** 1800 N/cm
- **Max Tensile Load:**
 - **Installation:** 400lbs (1800N)
 - **Operating:** 130lbs (600N)
- **Min Bend Radius:**
 - **Installation:** 2.0in (5.0cm)
 - **Operating:** 1.0in (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 N02-4FDW-A:

- **Contact Resistance:** < 7 mΩ
- **Dielectric Strength:** 1,5 kVdc
- **Insulation Resistance:** > 2 GΩ (initial)
- **Insertion Force:** < 45 N
- **Withdrawal Force:** < 45 N
- **Lifetime:** 5000 mating cycles
- **Insertion Loss:** < 0.4 dB / connection

Neutrik opticlCON DUO Connector:

- **Cable Retention:** 500N
- **Insertion Force:** <45 N
- **Withdrawal Force:** <45 N
- **Lifetime:** 5000 mating cycles
- **Locking Device:** Push-Pull
- **Insertion Loss:** < 0.45 dB/connection