

HF-TROC4M4 Series Datasheet

The Camplex HF-TROC4M4 series features 4-channel OM4 Multimode opticalCON QUAD 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-TROC4M4 series is ideal for indoor and outdoor use in broadcast field production, rental houses, digital signage, networking, and more. It is available with a coiler attachment or with a connectorized hub (HF-TROC4M4H).

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 connectors
- Automatic sealing mechanical shutter system for maximum dust and dirt protection
- Heavy-duty reel
- Connectorized Hub version features Neutrik NO4FDW-A chassis connectors



HF-TROC4M4



HF-TROC4M4H

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Specifications:

Fiber:

- **Fiber Type:** Laser Optimized OM4 Multimode
- **Core/Cladding Diameter (µm):** 50/125
- **Numeric Aperture:** 0.2
- **Wavelength (nm):** 850/1310
- **Gigabit Ethernet Distance (m):** 1040/600
- **10-Gigabit Ethernet Distance (m):** 550/300
- **Maximum Cabled Attenuation (dB/km):** 3.0/1.0
- **Minimum Laser EMB Bandwidth (MHz-km):** 4700/500
- **Minimum OFL LED Bandwidth (MHz-km):** 3500/500
- **Primary Coating Diameter (µm):** 245
- **Secondary Coating Diameter (µm):** 900
- **Proof Test Level (kpsi):** 100
- **Jacket Material:** Flame Retardant Tactical Polyurethane
- **Buffer Material:** Hard Elastomeric
- **Cable Diameter:** 0.22in (5.5 mm)
- **Impact Resistance:** 1500 impacts
- **Crush Resistance:** 1800 N/cm
- **Flex Resistance:** 2000 cycles
- **Temperature:**
 - **Operating:** -40°F to 185°F (-40°C to +85°C)
 - **Storage:** -94°F to 185°F (-70°C to +85°C)
- **Max Tensile Load:**
 - **Installation:** 400lbs (1,800 N)
 - **Operating:** 130lbs (600 N)
- **Min Bend Radius:**
 - **Installation:** 2.2in (5.5cm)
 - **Operating:** 1.1in (2.8cm)

Neutrik NO4FDW-A:

- **Insertion Force:** < 45 N
- **Withdrawal Force:** < 45 N
- **Lifetime:** 5000 mating cycles
- **Insertion Loss:** < 0.5 dB / connection

Neutrik opticlCON QUAD 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