HF-OC2FUW Datasheet

Hybrid SMPTE 311M outside broadcast cables with opticalCON DUO to LEMO FUW connectors and tactical tight buffered PUR cable are designed for rugged commercial and professional broadcast applications and field deployment. Machine polishing processes provide exceptionally low return loss and insertion loss.Cable consists of two Single Mode fibers, two 24 AWG and two 16 AWG stranded copper conductors with an overall copper braided shield and a polyurethane jacket. Designed for use with HDTV signals, the camera cable is compliant with ARIB and SMPTE standards.

Features:

- Machine-polished and tested end faces
- Optical Shutter Mechanism for added protection
- Heavy Duty Tactical Reel with Side Reel Flange (TR version only)
- Ruggedized and dirt-protected 2-channel fiber optic connection system
- Waterproof acc. to IP65 in mated condition
- Accommodates standard optical LC-Duplex connectors
- Cable connector features rugged all metal housing and heavy-duty cable retention
- Excellent dust and dirt protection due to the automatic sealing shutter with silicone gasket
- Reliable Push-Pull locking mechanism
- Easy to clean, no tools required

HF-OC2FUW

HF-TROC2FUW

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Specifications:

Furukawa Fiber Specifications:
- **Fiber Type:** Single Mode
- **Core/Cladding:** 9μm/125μm
- **Conductor Resistance:**
  - **Power Line:** 37.5Ω/km
  - **Control Line:** 113Ω/km
- **Insulation Resistance:** 10,000MΩ·km
- **Shielding Material:** Tin-plated soft copper wire braid
- **Sheath:** Abrasion-resistant
- **Overall O.D:** 9.2mm
- **Min. Bend Radius:** 55.2mm

LEMO FUW Specifications:
- **Fiber Optic Contact:** Type F2
- **Lifetime:** 20000 Mating Cycles
- **Vibration:** 15 g [10 Hz - 2000 Hz]
- **Shock Resistance:** 100 g [6 ms]
- **Temperature:** -40°F to 176°F (-40°C to +80°C)
- **Humidity (max):** <=95% [at 60 °C/140°F]
- **Shielding (min):**
  - 95 dB (10 MHz)
  - 80 dB (1 GHz)

Neutrik opticalCON DUO Specifications:
- **Optical Connector:** LC-Duplex (PC)
- **Insertion Loss:** < 0.5 dB / connection
- **Lifetime:** 5000 mating cycles

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