

## HF-FMWP UW-R Datasheet

The Complex HF-FUWPUW-R series of SMPTE 304M/311M outside broadcast camera cables features LEMO FMW and PUW connectors and Complex's Riser-rated hybrid cable. Designed for camera-to-CCU connections in video systems, studio, and broadcast applications. This series integrates a power line for the TV camera, a control line, and an optical fiber for video and audio transmission.

### Features:

- Assembled with Premium Complex Riser Rated SMPTE 311M cable and LEMO SMPTE 304M Connectors
- Meets or Exceeds SMPTE 304M/311M Standards
- Electrical Assemblies 100% Tested for Continuity and Shorts
- Fiber Optic Assemblies 100% Tested for Attenuation and Back Reflection
- Stainless Steel Assemblies
- Rubber Dust Caps



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### Specifications:

#### Complex 9.2mm Riser SMPTE 311M Hybrid Cable:

- **Fiber Type:** OS2 Single Mode
- **Core/Cladding Diameter (µm):** 9/125
- **Strength Member:** Upjacketed Stranded Steel Member
- **Barrier:** Overall Barrier Tape (25% Overlap, Nominal)
- **Shield Material/Coverage %:** Tinned Copper Braid 36AWG, 90% minimum coverage
- **Jacket Material:** Polyvinylchloride
- **Jacket Thickness:** 0.060in (1.52mm)
- **Voltage Rating:** 300V
- **Optical Attenuation @ 1319nm:** <0.8dB/km
- **Max. Cable Pull Strength:** 160lbs
- **Min. Bend Radius:** 2.5in (63.5mm)
- **DCR:**
  - Component 1 (20AWG): <36Ω/km
  - Component 2 (24AWG): <92Ω/km
- **Temperature:**
  - Operation: -4°F to 167°F (-20°C to +75°C)
  - Installation: 32°F to 167°F (-0°C to +75°C)

#### LEMO Connectors:

- **Number of Contacts (Low Voltage):** 2
- **Number of Contacts (High Voltage):** 2
- **Number of Contacts (Fiber Optic):** 2
- **Rated Current:** 10A
- **Vtest Power/Signal (AC):** 2250V, 1000V
- **Working Voltage Power/Signal (AC):** 600V, 42V
- **IP Rating:**
  - FMW: IP50
  - PUW: IP68
- **Lifetime:** 2000 Mating Cycles
- **Shielding (min):** 95 dB (10 MHz)
- **Shielding (min):** 80 dB (1 GHz)
- **Shock Resistance:** 100g [6 ms]
- **Vibration Resistance:** 15g [10 Hz - 2000 Hz]