

## HF-FUWPUW-T Datasheet

The Complex HF-FUWPUW-T series of SMPTE 304M/311M tactical outside broadcast camera cables features LEMO FUW-PUW connectors and OCC's tactical SMPTE cable. Designed for portable deployments in harsh environments, this rugged series features an abrasion-resistant polyurethane jacket and integrates a power line for a TV camera, a control line, and an optical fiber for video and audio transmission.

### Features:

- Premium Outside Broadcast Tactical Cable & LEMO Connectors
- Meets or Exceeds SMPTE 304M/311M Standards
- Industry Standard Cable Terminations by LEMO Trained Technicians
- Electrical Assemblies 100% Tested for Continuity and Shorts
- Fiber Optic Assemblies 100% Tested for Attenuation and Back Reflection
- Rubber Dust Caps



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### Specifications:

#### OCC 9.2mm Tactical SMPTE 311M Hybrid Cable:

- **Fiber Type:** Bend Tolerant Single Mode
- **Core/Cladding Diameter (µm):** 9/125
- **Wavelength (nm):** 1310/1550
- **Maximum Cabled Attenuation (dB/km):** 0.5/0.5
- **Primary Coating Diameter (µm):** 500
- **Secondary Coating (µm):** 900
- **Zero Dispersion Slope (ps/nm<sup>2</sup>-km):** 0.092
- **Proof Test Level (kpsi):** 100
- **Jacket Material:** Polyurethane
- **Buffer Material:** Hard Elastomer
- **Cable Diameter:** 0.36in (9.2mm)
- **Strength Member AWG:** 16 AWG
- **Strength Member Material:** Galvanized Steel
- **Strength Member Insulation Material:** Polyurethane Insulated

#### LEMO Connectors:

- **Number of Contacts (Low Voltage):** 2
- **Number of Contacts (High Voltage):** 2
- **Number of Contacts (Fiber Optic):** 2
- **Rated Current:** 10A
- **Fiber Optic Contact Type:** Type F2
- **Vtest Power/Signal (AC):** 2250V, 1000V
- **Working Voltage Power/ Signal (AC):** 600V, 42V
- **IP Rating:** IP68
- **Lifetime:** 20000 Mating Cycles
- **Locking System:** Push-Pull
- **Shielding (min):** 95 dB (10 MHz)
- **Shielding (min):** 80 dB (1 GHz)
- **Shock Resistance:** 100 g [6 ms]
- **Vibration Resistance:** 15 g [10 Hz - 2000 Hz]