

HF-FUWPUW-S Datasheet

SMPTE indoor studio broadcast camera cable with LEMO FUW-PUW connectors and flexible Complex C96040 cable. This assembly integrates a power line for the TV camera, a control line, and an optical fiber for video and audio transmission. All assemblies are multi-stage machine-polished and tested for <.55db RL.

Cable consists of two Single Mode fibers, four 20 AWG and two 24 AWG tinned copper conductors cabled around a steel strength element, with an overall tinned copper braid and a flexible PVC blend jacket. This general-purpose cable is used for studios, patching, and light to medium field use.

Features:

- Assembled with Premium Complex Flexible Studio SMPTE Cable & LEMO Connectors
- Terminations by LEMO Certified Technicians
- Electrical assemblies 100% Tested for Continuity and Shorts
- Fiber Optic Assemblies 100% Tested for Attenuation and Back Reflection
- Rubber Dust Caps
- Camera Cable for Blackmagic SMPTE Hybrid Camera Fiber Converter BMD-CINEURSANWFRCAM
- SMPTE 311M and 304M Compliant
- Low Insertion Loss and Return Loss (Documented)



HF-FUWPUW-S Datasheet

Specifications:

Camplex C96040:

- **Nominal Dimension:** 0.362 in \pm 0.012 in
- **Strength Element:** Upjacketed Stranded Steel Member
- **Barrier:** Overall Paper Tape (25% Overlap, Nominal)
- **Shield:** Tinned Copper Braid 36awg, 90% minimum coverage
- **Jacket Material:** Thermoplastic Elastomer
- **Jacket Thickness:** 0.060 in
- **Voltage Rating:** 300V
- **Optical Attenuation @ 1310nm:** <0.8dB/km
- **Component 1 (20AWG) DCR:** <36 Ω /km
- **Component 2 (24AWG) DCR:** <92 Ω /km
- **Temperature:**
 - **Operation:** -40°F to 167°F (-40°C to +75°C)
 - **Installation:** -4°F to 167°F (-20°C to +75°C)
- **Max. Cable Pull Strength:** 160 lbs
- **Crush Resistance:** 377 lbs
- **Min Bend Radius:** 2.5in
- **Component 1:**
 - **Conductor Material:** TC
 - **Conductor AWG:** 20AWG
 - **Insulation Material:** Polyethylene
 - **Nominal Diameter:** 0.060 in
- **Component 2:**
 - **Conductor Material:** TC
 - **Conductor AWG:** 24AWG
 - **Insulation Material:** Polyethylene
 - **Nominal Diameter:** 0.045 in
- **Component 3:**
 - **Fiber Type:** Single Mode OS2
 - **Buffer:** Tight Buffer
 - **Material:** Thermoplastic
 - **Diameter:** 900 \pm 50 micron

LEMO Connectors:

- **Fiber Optic Contact:** Type F2
- **Rated Current:** 10 A
- **Vtest power/signal (AC):** 2250V, 1000V
- **Working voltage power/signal (AC):** 600V, 42V
- **Lifetime:** 20000 mating cycles
- **Shock Resistance:** 100 g [6 ms]
- **Vibration:** 15 g [10 Hz - 2000 Hz]