

HF-FMWPBW-R Datasheet

SMPTE cables with LEMO FMW-PBW connectors and Camplex C96921 UL listed CMR cable. This assembly integrates power line for TV camera, control line, and optical fiber for video and audio transmission. All assemblies multi-stage machine polished and tested for <.55db RL. For permanent indoor installations trays, conduit or shafts between floors. Available in a variety of lengths.

Features:

- Assembled with Premium Camplex UL listed CMR Install Series SMPTE Cable & LEMO Connectors
- 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
- Stainless Steel Assemblies
- Rubber Dust Caps
- SMPTE 311M and 304M Compliant
- 19.4 Mbps to 3 Gbps Transport
- Machine Polished Fiber Contacts

Specifications:

Complex Fiber:

Overall Construction:

- **Strength Element:** Up jacketed Stranded Steel Member
- **Barrier:** Overall Barrier Tape (25% Overlap, Nominal)
- **Shield Material/Coverage:** Tinned Copper Braid/90%
- **Shield AWG:** 36 AWG
- **Jacket Material:** Polyvinyl Chloride
- **Jacket Thickness:** 0.060in
- **Voltage Rating:** 300V
- **Optical Attenuation @ 1310nm:** <0.8dB/km
- **DCR:**
 - **Component 1 (20AWG):** <36Ω/km
 - **Component 2 (24AWG) DCR:** <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)
- **Max. Cable Pull Strength:** 160lbs
- **Min. Bend Radius:** 2.5in



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Specifications:

Power Conductor 1:

- **Conductor Material:** Tinned Copper
- **Conductor AWG:** 20 AWG
- **Conductor Stranding:** 19/32
- **Insulation Material:** Polyethylene
- **Nom. Diameter:** 0.060in
- **Colors:** 2 white, 2 Black

Power Conductor 2:

- **Conductor Material:** Tinned Copper
- **Conductor AWG:** 24 AWG
- **Conductor Stranding:** 7/32
- **Insulation Material:** Polyethylene
- **Nom. Diameter:** 0.045in
- **Colors:** Gray, Red

Fiber Cable:

- **Fiber Type:** Single Mode OS2
- **Buffer:** Tight Buffer
- **Material:** Thermoplastic
- **Diameter:** 900 ± 50 micron
- **Colors:** Blue, Yellow

LEMO Connectors:

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