

HF-FMWPUW-M Datasheet

The Camplex HF-FMWPUW-M series of SMPTE 304M/311M outside broadcast camera cables features LEMO FMW and PUW connectors and Furukawa's mobile broadcast cable. Designed for on-the-go deployments, from remote production trucks and camera-side connections to stadiums and production facilities. 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 Furukawa Mobile Broadcast Cable and 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
- Stainless Steel Assemblies
- Rubber Dust Caps



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Specifications:

Furukawa 9.2mm SMPTE 311M Hybrid Cable:

- **Fiber Type:** Single Mode
- **Core/Cladding Diameter (µm):** 9/125
- **Conductor Resistance:**
 - Power Line: 37.5Ω/km
 - Control Line: 113Ω/km
- **Insulation Resistance:** 10,000MΩ·km
- **Withstand Voltage:** AC1,750V/1min.
- **Strength Member Material:** Steel Wire
- **Shield Material:** Tin-plated Soft Copper Wire Braid
- **Sheath (PB-Free):** Abrasion-Resistant Sheath
- **Finished Outside Diameter:** 0.36in (9.2mm)
- **Allowable Tension:** 700N
- **Bend Radius:** 2.17in (55.2mm)

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]