

HF-FUWPUW-7 Datasheet

The Complex HF-FUWPUW-7 series of SMPTE 304M/311M hybrid fiber camera cables features LEMO FUW and PUW connectors and a tactical 7.8mm Hybrid Fiber cable. Designed for portable High-Def camera applications, both in studio and in the field. This series features a rugged, matt-finish polyurethane jacket that provides extra durability and flexibility while reducing binding and grabbing on tacky surfaces to help with fast deployment and respooling. Ideal for Jib-mounted cameras, mobile production trucks, or any place where cameras need to move quickly.

Features:

- Compatible with SMPTE 304M/311M Standards
- Lightweight Design for Highly Mobile Deployments
- Matte Finish Polyurethane Jacket to Reduce Surface Friction
- Cut and Abrasion Resistant Tactical Design
- Highly Flexible Aramid Central Strength Member
- Planetary Assembled to Eliminate Back Twist on all Elements
- Electrical Assemblies 100% Tested for Continuity and Shorts
- Fiber Optic Assemblies 100% Tested for Attenuation and Back Reflection



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Specifications:

7.8mm Tactical Hybrid Fiber Camera Cable:

- **Fiber Type:** Bend Insensitive Single Mode
- **Fiber Core/Cladding Diameter (µm):** 9/125
- **Fiber Optical Attenuation:** <0.7dB/km
- **Planetary Cable Lay Length:** 3.25in Left Hand Lay
- **Cable Fillers:** Cotton Filler - as Necessary for Circular Cross Section
- **Shielding Material/Coverage %:** Tinned Copper Spiral Wrap/95%
- **Shield DCR:** < 20Ω/km
- **Jacket Material:** Extruded Matte Finish Polyurethane (Reduced Surface Friction)
- **Jacket Nom. Wall Thickness:** 0.022in (0.55mm)
- **Jacket Nom. Diameter:** 0.307in ± 0.010in (7.8mm)
- **Temperature:** -40°F to 176°F (-40°C to +80°C)

LEMO Connectors:

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