

HF-LCBP3 Datasheet

Inline SMPTE hybrid breakout cables from Camplex with duplex LC, dual SC, or dual ST fiber optic breakouts and 6-Pin AMP power connectors are designed for use with breakouts between camera and CCU patches. Cables consist 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. Designed for use with HDTV signals, the camera cable is compliant with ARIB and SMPTE standards. Available in a variety of lengths.

Features:

- Assembled with Premium Camplex SMPTE Rise Rated Cable & Senko Connectors
- Electrical Assemblies 100% Tested for Continuity and Shorts
- Fiber Optic Assemblies 100% Tested for Attenuation and Back Reflection
- Machine Polished Fiber Contacts Low Insertion and Return Loss (Documented)



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Specifications:

Camplex Single Mode Fiber:

- **Conductor AWG:**
 - **Component 1:** 20 AWG
 - **Component 2:** 24 AWG
- **Conductor Stranding:**
 - **Component 1:** 19/32
 - **Component 2:** 7/32
- **Conductor Material:** TC
- **Insulation Material:** PE
- **Diameter:**
 - **Component 1:** 0.060in
 - **Component 2:** 0.045in
- **Fiber Type:** Single Mode OS2
- **Buffer:** Tight Buffer
- **Material:** Thermoplastic
- **Diameter:** 900 ± 50 µm
- **Strength Element:** Upjacketed Stranded Steel Member
- **Barrier:** Overall Barrier Tape (25% Overlap, Nominal)
- **Shield:** Tinned Copper Braid 36 AWG 90% coverage
- **Jacket Material:** Polyvinyl Chloride
- **Jacket Thickness:** 0.060 in
- **Optical Attenuation @ 1310nm:** <0.8dB/km
- **DCR:**
 - **Component 1(20 AWG):** <36Ω/km
 - **Component 2(24 AWG):** <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)
- **Min Bend Radius:** 2.5in

Senko LC Connector:

- **Fiber Count:** Duplex
- **Lifetime:** 500 Mating Cycles
- **Ferrule Material:** Zirconia
- **Ferrule Diameter (µm):** 125
- **Typical Insertion Loss (dB):** 0.08
- **Max. Insertion Loss (dB):** 0.2
- **Typical Return Loss (dB):** ≥55