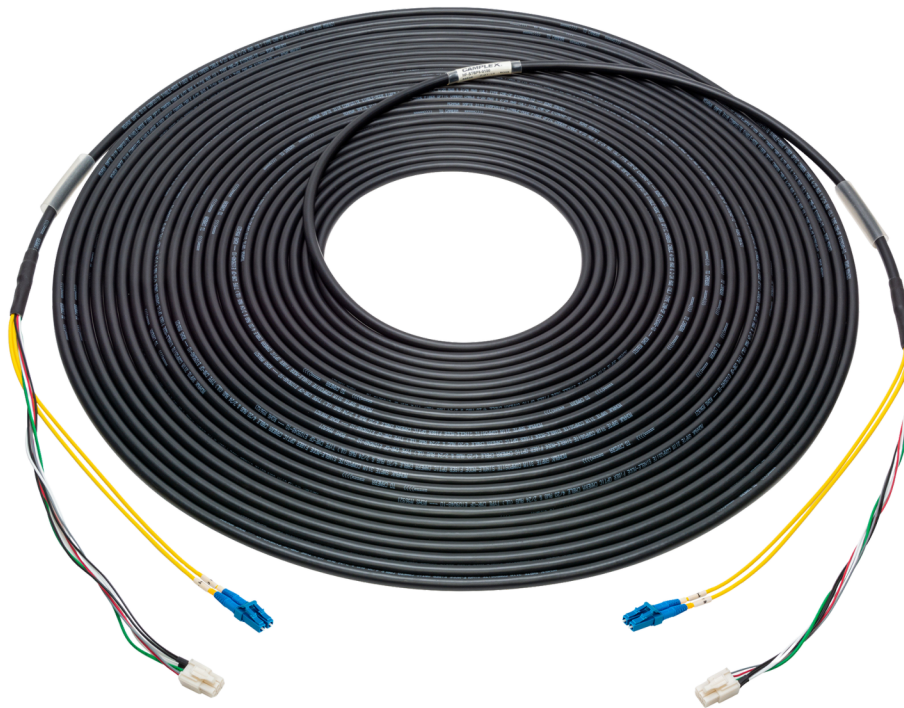


HF-LCBP8 Datasheet

This inline SMPTE hybrid breakout cable from Camplex provides a more cost effective way to achieve a SMPTE run when connecting two Camplex HYMOD series breakout boxes or two chassis mounted SMPTE breakouts by utilizing standard fiber connectors and power breakouts. The HF-LCBP8 series features duplex LC fiber optic runs and a 6-Pin Amp Power Plug. Cables are designed with two single mode fibers and four 20 AWG and two 24 AWG tinned copper conductors with a tinned copper braid shield in an overall flexible PVC jacket. Designed for use with HDTV signals, the camera cable is compliant with ARIB and SMPTE standards.

Features:

- Assembled with Premium SMPTE Cable & Senko Connectors
- Electrical assemblies 100% tested for continuity and shorts
- Fiber optic assemblies 100% tested for attenuation and back reflection
- 19.4 Mbps to 3 Gbps transport
- Machine polished fiber contacts Low insertion and return loss (Documented)



HF-LCBP8 Datasheet

Specifications:

Alpha wire:

- **Conductor AWG:** 16/30 AWG
- **Conductor Material:** Tinned Copper
- **Conductor Diameter (in):** 0.047"
- **Insulation Diameter (in):** 0.016"
- **Insulation Material:** PVC
- **Voltage Rating:** 300VRMS
- **Inductance:** 0.05 μ H/ft, Nominal
- **Conductor DCR:** 7 Ω /1000ft @20°C, Nominal
- **Temperature Range:** -40°F to 221°F (-40 to 105°C)
- **Bend Radius:** 0.47in
- **Pull Tension:** 12.6lbs (Max)

Camplex C96921 SMPTE Fiber:

- **Shield/Coverage:** Tinned Copper Braid 36 AWG, 90% minimum coverage
- **Jacket Material:** Polyvinylchloride
- **Jacket Thickness:** 0.060 in., Nominal
- **Jacket Color:** UV Resistant Black
- **Optical Attenuation 1310nm:** <0.8dB/km
- **Nominal Dimension:** 0.362 in. \pm 0.012 in
- **Minimum Cable Pull Strength:** 160 lbs
- **Minimum Bend Radius:** 2.5 in.
- **Component 1 (20AWG) DCR:** <36 Ω /km
- **Component 2 (24AWG) DCR:** <92 Ω /km

Senko Connector:

- **Lifetime:** 500 Matings
- **Ferrule Material:** Zirconia
- **Ferrule Diameter (μ m):** 125
- **Typical Insertion Loss (dB):** 0.08
- **Max Insertion Loss (dB):** 0.2
- **Typical Return Loss (dB):** \geq 55