

HF-FCS Series Datasheet

The Camplex HF-FCS series of SMPTE internal hybrid distribution breakout cables utilize Canare FCFRA and FCMRA SMPTE connectors that break out to standard fiber optic connectors and 6-pin AMP power connectors for simplified installation. Designed for use in rack panels, splice trays, adapters, and wall boxes.

The HF-FCS series consists of two Single Mode fibers, two 22 AWG and two 18 AWG wires with tinned copper conductors, and a flexible PVC jacket encased in a durable braided sleeve. These assemblies integrate the power, control, and fiber into one assembly for video and audio transmission. Compliant with ARIB and SMPTE standards.

Available in plug and receptacle configurations with ST, LC or SC fiber connectors and in a variety of standard lengths.

Features:

- Male APC Single Mode MTP24 connector breaks out to (24) Duplex LC/UPC Single Mode connectors
- Low insertion loss and high return loss
- Meets TIA/EIA-568C.3 and GR-326-CORE Requirements
- UL Plenum (OFNP/FT6) rated

Specifications:

- **Fiber Type:** Simplex Single Mode
- **Conductor Diameter:** 0.030in (0.762mm)
- **Insertion Loss:** $\leq 0.3\text{dB}$
- **Return Loss:** $\geq 50\text{dB}$

Alpha Wire:

- **Conductor AWG:** 18
- **Conductor Stranding:** 16x30
- **Conductor Material:** Tinned Copper
- **Insulation Material:** PVC
- **Inductance:** 0.05 $\mu\text{H}/\text{ft}$, Nominal
- **Conductor DCR:** 7 $\Omega/1000\text{ft}$ @20°C, Nominal
- **Bend Radius:** 0.47in
- **Pull Tension:** 12.6lbs (Max)
- **Operating Temperature:** -4°F to 158°F (-20°C to +70°C)

