

## HF-FCMAFRCA Series Datasheet

The Camplex HF-FCMAFRCA series of premium panel mount socket-to-plug hybrid fiber-optic camera assemblies meet or exceed SMPTE ST 311 standards. These high-performance hybrid fiber optic cable assemblies combine the rugged Canare LF-2SM9N SMPTE camera cable with precision Canare FCMA and FCFRCA connectors, specifically designed for broadcast and studio applications. Featuring a durable PVC jacket and designed for reliable uncompressed HD video transmission, these assemblies ensure superior mechanical strength and signal integrity over extended distances.

### Features:

- High-Quality Canare Cable and Connectors
- Abrasion-Resistant Jacket provides additional strength
- Meets or exceeds SMPTE ST 311 standards

### Specifications:

#### Canare LF-2SM9N:

- **Overall Nom O.D:** 0.36in (9.2mm)
- **Outer Jacket Material:** Abrasion-Resistant PVC
- **Overall Shielding/Coverage:** 9/24/0.10TA 91%
- **Tension Tolerance:** 700 N
- **Strength Member O.D:** 0.10in (2.6mm)
- **Temperature:** -40°F to 167°F (-40°C to +75°C)
- **Weight:** 0.08 lbs/ft (12kg/100m)
- **Min Bend Radius:** 2.16in (55.2mm)
- **Fiber Type:** Single Mode
- **Number of Fibers:** 2
- **Fiber Core/Cladding:** 9/125μm
- **Fiber O.D:** 0.03in (0.9mm)
- **Number of Signal (Control):** 2
- **Signal AWG:** 25
- **Signal O.D:** 0.04in (1.2mm)
- **Number of Aux (Power):** 4
- **Aux AWG:** 20
- **Aux O.D:** 0.06in (1.7mm)

#### Canare Connectors:

- **Optical Insertion Loss:** 0.5dB or less
- **Optical Return Loss:** 45dB or more
- **Insulation Resistance:** 1000MΩ or more
- **Contact Resistance:** 5mΩ or less

