Hybrid Fiber-Optic Camera Cable
Designed for use with HDTV signals, the camera cable is compliant with ARIB and SMPTE standards.

Cross-Sectional View

Fiber-optic Cable
- Polyamide
- Optical fiber
- Filler
- Aramid yarn
- Control line
- Optical fiber
- Power line
- Tension member
- Overall tape
- Shield
- Jacket

Configuration

Fiber-optic cable
2 single-mode fibers (blue, yellow) Core outer diameter 0.9mm, jacket outer diameter 1.7mm
Transmission loss 0.5dB/km or less (λ = 1.3mm) 0.2dB or less when length is less than 0.2km

Power line
4 x 0.52mm² (20 AWG, black, white) 21/0.18TA, conductor resistance 37.5Ω/km or less
Insulation resistance 10000Ω or more - km. Withstand voltage 1750V AC • 1 min.

Control line
2 x 0.18mm² (25 AWG, red, gray) 7/0.18TA, conductor resistance 113Ω/km or less
Insulation resistance 10000Ω or more - km. Withstand voltage 1750V AC • 1 min.

<table>
<thead>
<tr>
<th>Type</th>
<th>Model</th>
<th>Nom. O.D.</th>
<th>Weight</th>
<th>Overall</th>
<th>Tension</th>
<th>Bend</th>
<th>Temperature</th>
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<tbody>
<tr>
<td></td>
<td>LF-2SM9R</td>
<td>9.2</td>
<td>11.0</td>
<td>91.8</td>
<td>700</td>
<td>Over</td>
<td>-40ºC - +70ºC</td>
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<tr>
<td>Jacket color</td>
<td>LF-2SM9</td>
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<tr>
<td>LF-2SM16</td>
<td>16.0</td>
<td>28.0</td>
<td>16</td>
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</table>

Other colors are also available on a custom-made basis. Please contact your Canare salesperson.

LF-2SM9R
- Cable designed for studio and broadcast applications.
- The polyurethane jacket provides tear resistant characteristics.
- Elastomer used in the sheath construction ensures superb mechanical strength.

LF-2SM9
- Cable designed for fixed installations.
- Material (PVC) with good slipping performance used for the jacket.

LF-2SM16
- Cable designed for studio applications.
- Polyvinyl chloride and polyurethane composite material used for the jacket.
- The 16mm outer diameter double jacket configuration on the cable is designed to prevent cable from catching on skirt of camera pedestal.
**Hybrid Fiber-Optic Camera Cable Assemblies (SMPTe/ARIB)**

- **Type**
- **Model**
- **Length (m)**
  - FCC10A
  - 10
  - FCC20A
  - 20
  - FCC30A
  - 50
  - FCC100A
  - 100
  - FCC50A-WJ
  - 50
  - FCC100A-WJ
  - 100

Produced after orders are received.

- **Wiring Diagram**

**Hybrid Fiber-Optic Receptacle Cables (SMPTe/ARIB)**

- **Type**
- **Model**
- **Length (m)**
  - FCFR
  - FCS015A-FR
  - 1.5
  - FCMR
  - FCS015A-MR
  - 1.5

Produced after orders are received.

- **Wiring Diagram**

**Isolation Plate**

Ideal for perfect isolation between individual connector and panel.
- These plates are used for isolating connector from panel
- IU-FCM-SET includes applicable connectors FCMR, FCMRC
- IU-FCF-SET includes applicable connectors FCF, FCFRC
  (Mounting screws included)

**Extraction Tool**

Extraction tool helps easy to clean Canare HFO connectors.
- Driver to be used for removing the sleeve when cleaning FCF and FCFR connectors.
- ASPT-1 includes applicable

*Use the CLETOP 2.5/2.0 (100) Cleaning Stick to clean fiber-optic camera connectors.
Hybrid Fiber-Optic Splice Enclosures
The fiber-optic splice enclosure was designed specifically for use with hybrid fiber-optic camera cables. The enclosure is used to protect fusion splice connection parts after installation.

• Designed specifically for the hybrid fiber-optic camera cable (LF-2SM9)
• The enclosure can be installed on walls or placed flat.
• The tension member is insulated from the chassis.

Note: The following special tools are required for installing the nylon connectors.
Models: AMP90758-1 (26 to 22 AWG) and AMP90760-1 (18 to 20 AWG)

<table>
<thead>
<tr>
<th>Mode</th>
<th>No. of cables</th>
<th>Fusion splice tray</th>
<th>Adapter</th>
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<tbody>
<tr>
<td>FCE-2</td>
<td>2</td>
<td>1</td>
<td>SC</td>
</tr>
<tr>
<td>FCE-4</td>
<td>4</td>
<td>2</td>
<td>8</td>
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<tr>
<td>FCE-6</td>
<td>6</td>
<td>3</td>
<td>12</td>
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*Special Order

Above parts are for FCE-2

Wiring Diagram (Canare standard)