

HF-TRCSMPTE Datasheet

The Camplex HF-TRCSMPTE series of premium plug-to-socket hybrid fiber-optic camera assemblies meets or exceeds SMPTE ST 304M/311M standards. These high-performance hybrid fiber optic cable assemblies integrate the robust Canare LF-2SM9N SMPTE camera cable with precision Canare FCFA and FCMRCA connectors. Featuring a durable PVC jacket and designed for reliable uncompressed HD video transmission, these assemblies ensure superior mechanical strength and signal integrity over long distances. Engineered for broadcast and studio applications.

Features:

- Meets or exceeds SMPTE 304M/311M standards
- Assembled with Premium Canare LF-2SM9N 9.2mm SMPTE Camera Cable & Canare Connectors
- Terminations by Canare Certified Technicians
- Electrical assemblies are tested for continuity and shorts
- Fiber optic assemblies are tested for attenuation and back reflection
- Machine-polished fiber contacts
- Low insertion and return loss



HF-TRCSMPTE-0328



HF-TRCSMPTE-0500

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Specifications:

Canare LF-2SM9N:

- **Overall Nom O.D:** 0.36in (9.2mm)
- **Outer Jacket Material:** Abrasion-Resistant PVC
- **Strength Member O.D.:** 0.10in (2.6mm)
- **Temperature:** -40°F to 167°F (-40°C to +75°C)
- **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 Signals (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