

HF-TRCTSMPT Datasheet

The Camplex HF-TRCTSMPT series of premium plug-to-socket tactical hybrid fiber-optic camera assemblies meets or exceeds SMPTE ST 311 standards. These high-performance hybrid fiber optic tactical cable assemblies integrate the tactical Canare LF-2SM9T SMPTE camera cable with precision Canare FCFA and FCMA connectors. Featuring a durable Polyurethane jacket and designed for reliable uncompressed HD video transmission, these assemblies ensure superior mechanical strength and signal integrity over long distances. Engineered for field production, live events, and remote broadcast and studio applications.

Features:

- Meets or exceeds SMPTE ST 304M/311M standards
- Assembled with Premium Canare LF-2SM9T 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-TRCTSMPT-0328



HF-TRCTSMPT-0500

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Specifications:

Canare LF-2SM9T:

- **Overall Nom O.D:** 0.36in (9.2mm)
- **Outer Jacket Material:** TPU + PVC
- **Strength Member O.D.:** 0.07in (1.8mm)
- **Temperature:** -40°F to 167°F (-40°C to +75°C)
- **Min. Bend Radius:** 0.36in (9.2mm)
- **Flex Resistance:** 10000 Cycles
- **Crush Resistance:** 2000 N/cm
- **Impact Resistance:** 100 Cycles
- **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)
- **Number of Grounding wires:** 2
- **Grounding AWG:** 23
- **Grounding O.D:** 0.02in (0.72mm)

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