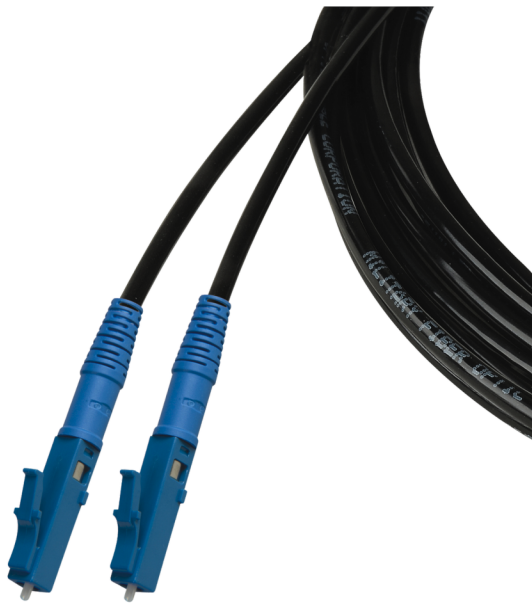


HF-T1SM Series Datasheet

Camplex's HF-T1SM series of Tactical Simplex Single Mode fiber assemblies are designed for use in deployable tactical broadcast environments and are crush- and impact-resistant, meeting Military requirements. Available with LC, SC, and ST connectors and on reels.

Features:

- Broadcast Deployable
- Indoor/Outdoor rated jacket
- Typical RL <-55dB and IL<0.25dB.
- Wide temperature range (typically -55°C to 85°C)
- 500µm primary acrylate buffer with 900µm secondary hard elastomeric buffer (Ultra-Fox Plus)
- Excellent crush and impact resistance due to their polyurethane Core-Locked outer jacket
- Designed to withstand crush and impact after deployment
- Strong, lightweight, and extremely durable cable



Snakes:

HF-T1SM-ST
HF-T1SM-LC
HF-T1SM-SC



Reels:

HF-TR1SM-ST
HF-TR1SM-LC
HF-TR1SM-SC

HF-T1SM Series Datasheet

Specifications:

OCC Single Mode Fiber:

- **Core/Cladding Diameter (µm):** 9/125
- **Wavelength (nm):** 1310/1550
- **Maximum Cable Attenuation (dB/km):** 0.5/0.5
- **Primary Coating Diameter (µm):** 500
- **Secondary Buffer Diameter (µm):** 900
- **Zero Dispersion Slope (ps/nm²-km):** 0.092
- **Proof Test Level (kpsi):** 100
- **Jacket Color:** Black
- **Jacket Material:** Polyurethane
- **Buffer Material:** Hard Elastomeric
- **Cable Diameter:** 0.11in (2.9mm)
- **Flex Resistance:** 2,000 Cycles
- **Crush Resistance:** 440 N/cm
- **Max Tensile Load:**
 - **Installation:** 110lbs (500N)
 - **Operating:** 70lbs (300N)
- **Min Bend Radius:**
 - **Installation:** 1.1in (2.9cm)
 - **Operating:** 0.6in (1.5cm)

Senko Connector:

- **Typical Insertion Loss (dB):** 0.08
- **Max. Insertion Loss (dB):** 0.20
- **Typical Return Loss (dB):** ≥55
- **Ferrule Diameter (µm):** 125