

HF-OCXSXX/HF-TROCXSXX Datasheet

The Camplex HF-OCXSXX/HF-TROCXSXX series of tactical armored Single Mode fiber optic cables delivers reliable, high-bandwidth signal transmission where durability is non-negotiable. Built with a stainless-steel spiral tube to enhance crush and tensile resistance while keeping its flexibility. Equipped with Neutrik opticalCON DUO and QUAD connectors, delivering IP65-rated protection and push-pull locking for fast, secure connections through repeated deployment. These assemblies are ideal for demanding live events and broadcast environments such as broadcast trucks, live concerts, touring rigs, stadium installations, and any environment where cables face repeated deployment and retrieval. Available as snakes or on reels.

Features:

- Tactical Armored Single Mode Fiber Cable
- High-Quality Neutrik opticalCON Connectors
- Stainless Steel Armoring
- Excellent Crush and Tensile Resistance
- Available in opticalCON DUO (HF-OC2SXX/HF-TROC2SXX) or opticalCON QUAD (HF-OC4SXX/HF-TROC4SXX)



HF-OC2SXX



HF-TROC4SXX

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Specifications:

Tactical Armored Single Mode Fiber:

- **Fiber Type:** Single Mode
- **Fiber Count:** 4
- **Core/Cladding Diameter (µm):** 9/125
- **Coating Diameter (µm):** 245
- **Zero Dispersion Slope (ps/(nm²-km)):** 0.092
- **Armor Material:** Stainless Steel Spiral Tube
- **Armor Braid Material:** Stainless Steel
- **Armor Diameter:** 0.12in (3.2mm)
- **Strength Member Material:** Aramid Yarn
- **Outer Sheath Material:** Polyurethane
- **Outer Sheath Diameter:** 0.21in (5.5mm)
- **Attenuation (dB/km):**
 - 1310nm: ≤0.34
 - 1550nm: ≤0.20
- **Crush Load (N/100mm):**
 - Long Term: 1000
 - Short Term: 2000
- **Tensile Strength (N):**
 - Long Term: 2000
 - Short Term: 5000
- **Min Bend Radius:**
 - Long Term: 2.16in (55mm)
 - Short Term: 4.33in (110mm)
- **Temperature:**
 - Installation: 14°F to 140°F (-10°C to +60°C)
 - Operation: -4°F to 140°F (-20°C to +60°C)

Neutrik opticalCON:

- **Insertion Force:** < 45 N
- **Withdrawal Force:** < 45 N
- **Lifetime:** 5000 Mating Cycles
- **Locking Device:** Push-Pull
- **Insertion Loss:**
 - DUO: < 0.5 dB / connection
 - QUAD: < 0.45 dB / connection
- **Protection Class:** IP65 in Mated Condition

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Specifications:

Reel Specs:

- **JackReel F4 Lengths:**
 - 100, 125, 150, 200, 250, 328, 350, 500
- **Schill GT 380 Lengths:**
 - 656, 750, 1000
- **Material:**
 - **JackReel F4:** High Impact Plastic
 - **Schill GT 380:** Rubber
- **Dimensions (HxWxD):**
 - **JackReel F4:** 14.3in x 12.4in x 9.05in (363mm x 314mm x 228mm)
 - **Schill GT 380:** 19.33in x 14.96in x 11.45in (491mm x 380mm x 291mm)