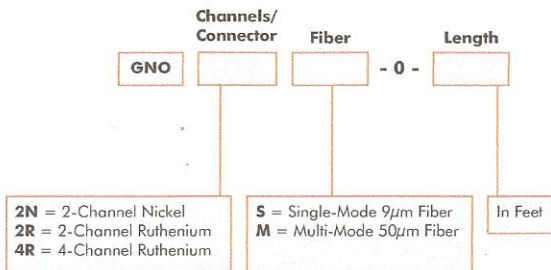


## Neutrik® opticalCON® Fiber Optic Cable Assemblies

Neutrik® opticalCON® cable assemblies by Gepco provide a streamlined and ruggedized solution for the deployment and interfacing of optical fiber in commercial and professional AV applications. The opticalCON connector features a ruggedized body design, high performance LC fiber contacts, and a unique shutter mechanism to protect against damage and contamination. Machine polished and terminated in the USA, opticalCON assemblies by Gepco provide exceptionally low return-loss, low attenuation, and consistent end-face geometry. opticalCON assemblies are available in almost any length and are custom terminated to user specifications.

### FEATURES & BENEFITS

- Machine Polished
- Two or Four Fiber Channels per Connector
- Industry Standard LC Fiber Contacts
- Unique Shutter Mechanism Protects Contacts from Damage and Contamination
- -55dB Return Loss (Typical)
- Ruggedized Body
- Tactical Optical Fiber Cable
- Additional Protection from Included Boot



**Also Available with Cable Reeler**  
Add reeler part number to suffix.

Standard configuration has cable mount connector on both ends. Optional bulkhead on reel is also available. Add "B" to end of reeler suffix of part number.



### Overall Specifications

**# of Channels:** 2 or 4

**Connectors:** (2) Neutrik® opticalCON®, Nickel (2-Channel) or Ruthenium Finish (2 and 4-Channel) Connector Body with Boot

**Cable Type:** Tactical, Polyurethane Jacket, 5mm Diameter, Black

**Available Lengths:** 50', 100', 164', 250', 328', 500', 656', or Custom

### Mechanical Performance Specifications

**Cable Retention Force:** 500N

**Lifetime:** > 1000 Cycles

**Insertion/Withdrawal Force:** < 45N

**Operating Temperature:** -25°C to +75°C

**Minimum Bend Radius:** 4cm

### Optical Performance Specifications

**Type:** LC-UPC (Straight Polish)

**Fiber Type:** 9µm Single-Mode Fiber or 50µm Multi-Mode Fiber

**Cable Loss:**  
 < 0.5dB/km @ 1310/1550nm (Single-Mode)  
 < 3dB/km @ 850nm (Multi-Mode)  
 < 1dB/km @ 1300nm (Multi-Mode)

**Connector Loss:** < 0.5dB (per Connection)

**Connector Back Reflection:** -55dB RL (Typical), -45dB RL (Max)

Neutrik® and opticalCON® are registered trademarks of Neutrik AG.