

OpticalCon® Fiber Optic Cable Assemblies

Features & Benefits

Factory Terminated in the US
 Machine Polished
 Two 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

Applications

Digital Audio & Video
 Data & Networking
 Lighting Control
 Portable, Staging, and Hostile Environments

Neutrik OpticalCon® cable assemblies by Gepco provide a streamlined and ruggedized solution for the deployment and interfacing of optical fiber in commercial and professional A/V 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 US, OpticalCon® assemblies by Gepco provide exceptionally low return-loss, attenuation, and consistent end-face geometry. OpticalCon® assemblies are available in almost any length and are custom-terminated to user specifications.



Overall Specifications

Part #	# of Channels	Connectors	Cable Type	Available Lengths	Color
GNO2S-0-(length)	Two Single-mode Fiber	(2) Neutrik OpticalCon®, NO2SX	Tactical, Polyurethane Jacket, 5mm Diameter	50', 100', 164', 250', 328', 500', 656', or Custom	Black Cable Jacket Nickle Finish Connector Body
OpticalCon® Cable Assembly: SINGLE-MODE					
GNO2M-0-(length)	Two Multi-mode Fiber	(2) Neutrik OpticalCon®, NO2MX	Tactical, Polyurethane Jacket, 5mm Diameter	50', 100', 164', 250', 328', 500', 656', or Custom	Black Cable Jacket Nickle Finish Connector Body
OpticalCon® Cable Assembly: MULTI-MODE					

Mechanical Performance Specifications

Cable Retention Force	Lifetime	Insertion/Withdrawal Force	Operating Temperature	Minimum Bend Radius
500N	>1000 Cycles	<45N	-25°C to +75°C	4cm

Optical Performance Specifications

Type	Fiber Type	Cable Loss	Connector Loss	Connector Back Reflection
LC-UPC (Straight Polish)	9 μm Single-mode Fiber or 50 μm Multi-mode Fiber	< 0.5dB/km @ 1310/1550nm (Single-mode)	<.5dB (per Connection)	-55dB RL (typical), -45dB RL (max)
		< 3dB/km @ 850nm (Multi-mode)		
		< 1dB/km @ 1300nm (Multi-mode)		

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