

TAC-4 & TAC-12 Fiber Optic Cable Assemblies

Features & Benefits

Factory Terminated in the USA
 Machine Polished
 4 or 12 Channels per Connector
 Hermaphroditic Design Enables Mating to Cable or Panel Mount Connectors in Either Direction
 Extra-rugged Metal Shell
 Dust Cap Included

Applications

Outdoor Broadcast
 Staging
 Hostile Environments
 HD Digital Video
 Digital Audio

TAC-4 and TAC-12 cable assemblies by Gepco are built for the transmission of multiple optical fiber elements in hostile and portable applications. Each connector contains four or twelve elements in an extra-rugged, hermaphroditic connector shell. The hermaphroditic design enables cables to be mated to either TAC-4/12 panel connectors or other TAC-4/12 cables in any direction providing flexibility for cable link expansion and eliminating cables from being directionally misdeployed. Machine polished and terminated in the US, Gepco TAC-4/12 cables have exceptionally low return-loss and attenuation with consistent end-face geometry. TAC-4/12 cables are available in almost any length and are custom terminated to user specifications.



Overall Specifications

Part #	# of Channels	Connectors	Cable Type	Available Lengths	Color
GTS4-0-(length)	(4) Single-mode Fiber <i>TAC-4 SMPTE 358M Hermaphroditic Assembly: Single-mode</i>	(2) Amphenol TAC-4, SMPTE 358M	Tactical, Polyurethane Jacket, .220" Diameter	50', 100', 164', 250', 328', 500', 656', or Custom	Black Cable Jacket Black Finish Connector Body
GTM4/50-0-(length)	(4) 50 μ m Multi-mode Fiber <i>TAC-4 SMPTE 358M Hermaphroditic Assembly: 50 μm Multi-mode</i>	(2) Amphenol TAC-4, SMPTE 358M	Tactical, Polyurethane Jacket, .220" Diameter	50', 100', 164', 250', 328', 500', 656', or Custom	Black Cable Jacket Black Finish Connector Body
GTM4/62-0-(length)	(4) 62.5 μ m Multi-mode Fiber <i>TAC-4 SMPTE 358M Hermaphroditic Assembly: 62.5 μm Multi-mode</i>	(2) Amphenol TAC-4, SMPTE 358M	Tactical, Polyurethane Jacket, .220" Diameter	50', 100', 164', 250', 328', 500', 656', or Custom	Black Cable Jacket Black Finish Connector Body
GTS12-0-(length)	(12) Single-mode Fiber <i>TAC-12 Hermaphroditic Assembly: Single-mode</i>	(2) Amphenol TAC-12	Tactical, Polyurethane Jacket, .260" Diameter	50', 100', 164', 250', 328', 500', 656', or Custom	Black Cable Jacket Gray Finish Connector Body
GTM12/50-0-(length)	(12) 50 μ m Multi-mode Fiber <i>TAC-12 Hermaphroditic Assembly: 50 μm Multi-mode</i>	(2) Amphenol TAC-12	Tactical, Polyurethane Jacket, .260" Diameter	50', 100', 164', 250', 328', 500', 656', or Custom	Black Cable Jacket Gray Finish Connector Body
GTM12/62-0-(length)	(12) 62.5 μ m Multi-mode Fiber <i>TAC-12 Hermaphroditic Assembly: 62.5 μm Multi-mode</i>	(2) Amphenol TAC-12	Tactical, Polyurethane Jacket, .260" Diameter	50', 100', 164', 250', 328', 500', 656', or Custom	Black Cable Jacket Gray Finish Connector Body

Mechanical Performance Specifications

Operating Temperature	Minimum Bend Radius
-55°C to +85°C	1.8" (TAC-4), 2.1" (TAC-12)

Optical Performance Specifications

Fiber Type	Cable Loss	Connector Loss	Connector Back Reflection
8.3 μ m Single-mode Fiber, 50 μ m Multi-mode Fiber, or 62.5 μ m Multi-mode Fiber	< 0.5dB/km @ 1310/1550nm (Single-mode) < 3.5 dB/km @ 850nm (Multi-mode) < 1dB/km @ 1300nm (Multi-mode)	< .5dB (per Connection)	-55dB RL (typical), -45dB RL (max)