

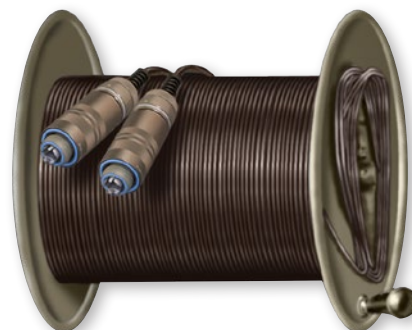


M83526 COMPLIANT GFOCA Fiber optic connection system

GFOCA: the genderless, ruggedized, environmentally-sealed solution ideal for fiber optic battlefield communications—TFOCA-II® intermateable!



Turnkey point-to-point and pigtail GFOCA cable assembly



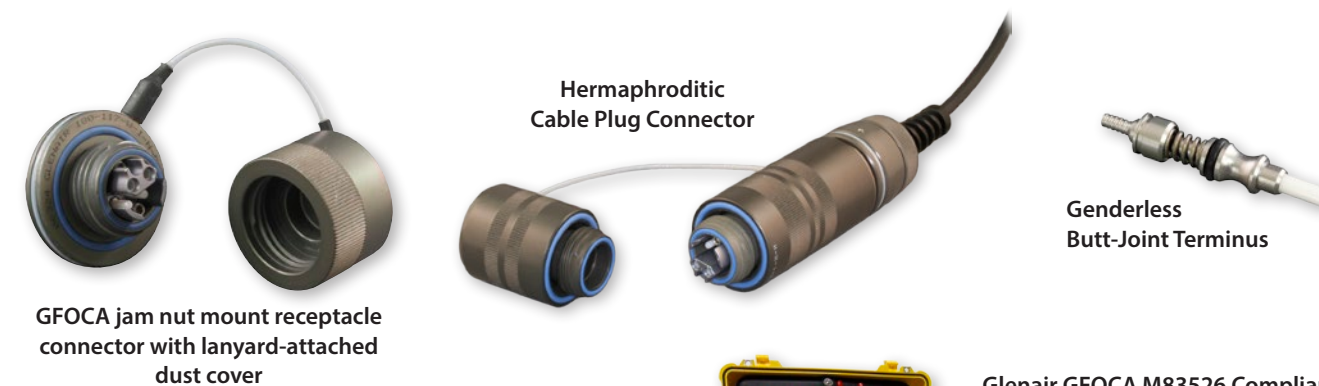
Factory Terminated Fiber Optic Cable Spool

- 4 channel singlemode and multimode configurations
- Designed IAW MIL-PRF-29504/16 and MIL-DTL-83526/16 and /17 drafts
- Discrete components or complete cable-on-reel solutions available
- Rugged field deployable system
- Corrosion resistant and environmentally sealed
- Low insertion loss 2.5mm diameter genderless butt joint termini
- Designed for both low speed analog and high-speed digital data

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GFOCA COMPONENTS AND CABLE-ON-REEL SOLUTIONS



GFOCA jam nut mount receptacle connector with lanyard-attached dust cover

Hermaphroditic Cable Plug Connector

Genderless Butt-Joint Terminus

GFOCA Performance Specifications	
Insertion Loss	<.50 dB Typical
Cable Pull Resistance	400 pounds minimum, 1 hour; applies to plug and strain relief receptacles
Mating Durability	2000 Cycles
Operating Temperature	-46° C to +71° C
Storage Temperature	-55° C to +85° C
Cable Diameter Accommodation	.190" Minimum to .379" Maximum



Glenair GFOCA M83526 Compliant fiber optic connection system termination, inspection, test, and cleaning tools are available now from Glenair. We also offer comprehensive F/O training services for assembly and maintenance technicians.



Available Insert Cap Key Configurations	
Key 1	Key 2
Key 3	Key "U" (Universal)

GFOCA Part Number Reference	
Drawing Number	Product Description
181-050	Pin Terminus
180-050-S	Alignment Sleeve, Split, Ceramic
181-059	Dummy Terminus
180-145	Plug Connector, Hermaphroditic, 4 Channel
180-146	Jam Nut Receptacle, 4 Channel
180-147	Square Flange Receptacle, 4 Channel
180-148	Jam Nut Receptacle, 4 Ch, Internal Mount
180-149	Jam Nut Receptacle, 4 Channel, Internal Mount with Accessory Threads
180-150	Jam Nut Receptacle, 4 Channel, Panel Mount with Accessory Threads
180-153	Jam Nut Receptacle, 4 Channel, Internal Mount with Strain Relief
180-137	Plug Connector, Hermaphroditic, 90°, 4 Channel

GFOCA Genderless Termini Part Numbers		
Dash Number	Ø A (Microns)	Fiber Type (Typ)
181-050-1255C	125.5	SM
181-050-1260C	126.0	SM and MM
SM: Singlemode MM: Multimode Consult Factory for Additional Sizes		