



Glenair®



HARSH-ENVIRONMENT

GFOCA Hermaphroditic

Ground tactical, field-deployable
fiber optic connection system

The GFOCA hermaphroditic field deployable connection system is genderless, ruggedized, corrosion-resistant and environmentally sealed. Utilizing low insertion loss butt-joint termini and a ruggedized coupling mechanism for reliable, repeatable mating, the GFOCA system is used by the Army for long-run battlefield communications, and is also well suited to dockside naval communications, down-hole drilling and other harsh environment applications. All products are designed to meet or exceed MIL-DTL-83526 connector and MIL-PRF29504/16 termini requirements.



- Low insertion loss genderless termini
- 2.5 mm dia ceramic ferrules and alignment sleeves
- 4 channel singlemode and multimode configurations
- Designed to meet the requirements of MIL-PRF-29504/16 and MIL-DTL-83526 military specifications
- Discrete components or complete cable-on-reel solutions available

HARSH-ENVIRONMENT GFOCA Hermaphroditic

Ground tactical, field-deployable
4-channel fiber optic system



M29504/16 TYPE GENDERLESS GFOCA FIBER OPTIC TERMINI • M29504 /17 TYPE DUMMY TERMINUS • TERMINUS ACCESSORIES



Part Number Development		
Part Number	Ø A (Microns)	Fiber Type (Typical)
181-050-1250C	125.0	Singlemode
181-050-1255C	125.5	Singlemode
181-050-1260C	126.0	Singlemode and multimode
181-050-1270C	127.0	Multimode
181-050-1420C	142.0	Multimode
181-050-2300C	230.0	Multimode
Consult Factory for Additional Sizes		
Terminus Accessories		
181-050-S	Alignment sleeve, split, ceramic	
265-008	Crimp sleeve	

GFOCA CONNECTOR CONFIGURATIONS



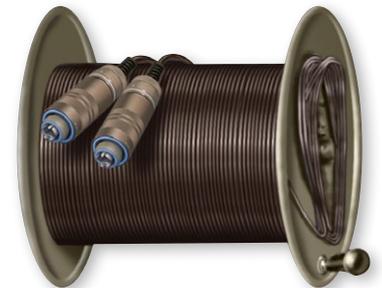
Hermaphroditic straight and 90° plug connectors available with or without lanyard-attached dust cover



Square flange receptacles, and jam nut receptacles in internal mount or panel mount configurations



Protective dust covers available in male (for plugs), female (for receptacles), or genderless configuration



Available cable reels for field deployment in harsh environment conditions

GFOCA Insert Cap Key Configurations				
Dash No:	1	2	3	4
Config.	<p>Key 1</p>	<p>Key 2</p>	<p>Key 3</p>	<p>Key U (universal)</p>