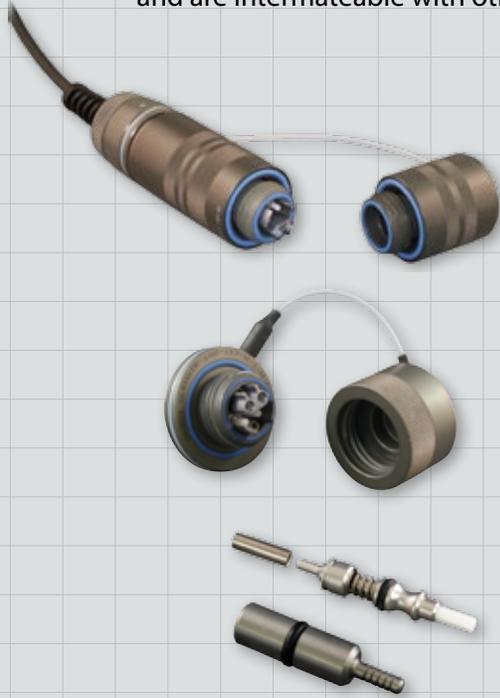


Glenair MIL-DTL-83526 Type (GFOCA) 4 Channel Fiber Optic Connection System General Information



The Ultimate Harsh Environment, Field Deployable Fiber Optic Connection System

Most commonly used by the army for long-run battlefield photonic communications, the GFOCA Connection System is also well suited to dockside naval communications, down-hole drilling and other harsh environment applications. The hermaphroditic system uses low insertion loss butt-joint termini and a ruggedized coupling mechanism for reliable, repeatable mating. The genderless mating system is rated to 2000 cycles, depending on fiber media selection. Connectors utilize (GFOCA) MIL-PRF-29504/16 type (draft) termini and are intermateable with other manufacturers' fiber optic connector systems.



| Product No. | Description | Page No. |
|---|---|----------|
| MIL-PRF-29504/16 and /17 Type Fiber Optic Termini | | |
| 181-050 | Pin Terminus, M29504/16 Type | I-2 |
| 181-059 | Dummy Terminus, M29504/17 Type | I-3 |
| MIL-DTL-83526/16 and /17 Type Fiber Optic Connectors | | |
| 180-145 | MIL-DTL-83526/16 Type Plug Connector, Hermaphroditic, 4 Channel | I-4 |
| 180-146 | MIL-DTL-83526/17 Type Jam Nut Receptacle, 4 Channel | I-6 |
| 180-147 | Type Square Flange Receptacle, 4 Channel | I-8 |
| 180-148 | Type Jam Nut Receptacle, 4 Ch, Internal Mount | I-10 |
| 180-149 | Type Jam Nut Receptacle, 4 Channel, Internal Mount with Accessory Threads | I-12 |
| 180-150 | Type Jam Nut Receptacle, 4 Channel, Panel Mount with Accessory Threads | I-14 |
| 180-153 | Type Jam Nut Receptacle, 4 Channel, Internal Mount with Strain Relief | I-16 |
| 180-137 | Type Plug Connector, Hermaphroditic, 90°, 4 Channel | I-18 |

Catalog Notes

Metric dimensions appear in parentheses in diagrams and tables, based on 1 inch = 25.4 mm, for reference only.

Unless otherwise specified, the following other dimensional tolerances apply:

.xx = ± .03 (0.8) • .xxx = ± .015 (0.4) • Angles = ± 5°