SeaKing™ Fiber Optic Connectors offer rugged 10K PSI open-face pressure rated performance for data-intensive marine, subsea, and oil & gas industry applications. Glenair SeaKing™ Fiber solutions include harsh-environment overmolded cable assemblies, multibranch inside-the-box jumpers, as well as Glenair signature high-temp, high-vibration transceivers and optical-to-electrical media converters. Pressure-balanced oil-filled (PBOF) cable assemblies are also available for deep subsea applications.

**SeaKing™ Fiber Optic Select Mechanical Performance Specifications**

### 7.6 Dielectric Withstanding Voltage (All Parts)
Connectors shall be tested in accordance with test procedure EIA-364-20 Method C and Condition L, at 1200VAC ± 10% voltage source at room temperature (no evidence of electric breakdown or flashover).

### 7.7 Insulation Resistance (All Parts)
Connectors shall be tested in accordance with test procedure EIA-364-21. The wired, assembled plugs and receptacles shall be mated and unmated 300 cycles. The mating and unmating shall be accomplished so that the plug and receptacle are completely separated during each cycle. After the durability test is completed, a pass 5 GΩ at 500 VDC insulation resistance test from each electrical contact to every other contact and the shell shall be performed.

### 7.8 Durability
Connectors shall be tested in accordance with test procedure EIA-364-9, IEC-60512-5 Test 9a. The wired, assembled plugs and receptacles shall be mated and unmated 300 cycles. The mating and unmating shall be accomplished so that the plug and receptacle are completely separated during each cycle. After the durability test is completed, a pass 5 GΩ at 500 VDC insulation resistance test from each contact to every other contact and the shell shall be performed.

### 7.9 Thermal Shock (All Parts)
Conductors shall be tested in accordance with test procedure EIA-364-22 Method K. Unmated connectors shall be subjected to 3 cycles at temperature of -20°C to 105°C ± 5°C. There shall be no evidence of cracking, breaking or loosening. After the thermal shock test is completed, a pass 5 GΩ at 500 VDC insulation resistance test from each contact to every other contact and the shell shall be performed.

### 7.10 Salt Spray (Group 2 only)
Connectors shall be tested in accordance with test procedure EIA-364-26 Condition C. The connectors shall be fully populated and immersed for 500 hours. At the end of the immersion duration while still immersed, insulation resistance 5 GΩ at 500 VDC test shall be completed from each contact to every other contact and the shell shall be performed.

### 7.11 Hydrostatic Pressure
Connectors shall be tested in accordance with test procedure ISO-13628-6 except the minimum period of measurement shall be three minutes. Replace interface O-rings before pressure testing.
- Hydrostatic Pressure Testing – Open Face – BCR Individual
- Hydrostatic Pressure Testing – Mated Condition – Mated Pair
- Hydrostatic Pressure Testing – Glass-sealed Inserts
  - 8 cycles – 3X 5min-dwell @ 11,000 psi + 4X 5min-dwell @ 15,000 psi + 1X 1hr-dwell @ 15,000 psi
  - Ramp 3,000psi/min – Reference

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Harsh-environment overmolded fiber optic jumpers
Pressure-Balanced Oil-Filled (PBOF) high-pressure assemblies
Pressure-sealed connectors with inside-the-box ST-, FC-, and LC- type connectors

### HIGH CHANNEL DENSITY
Dynamic vibration and shock resistance.

### ENVIRONMENTALLY SEALED
Pressure resistance.

### CORROSION RESISTANCE
Flammability, toxicity, low-smoke standard.

### EASE-OF-Maintenance
Uncompromised reliability.

### UNCOMPROMISED RELIABILITY

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SeaKing™ Fiber Optic connectors are ideal for riser monitoring systems, subsea factories, or oil platforms where high data rates meet high pressure and harsh environments.

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Next-generation connectors and rear-release genderless termini IAW the emerging MIL-PRF-64266 standard.

**Also Available:**
- MIL-PRF-28876 QPL and NGCON Fiber Optics
- Qualified MIL-PRF-28876 connectors / accessories

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SeaKing™ Fiber Optic Connectors