



MISSION-CRITICAL UNDERWATER INTERCONNECT SOLUTIONS

Most aggressive lead times in the industry · Vertically integrated and made in the USA
Custom solutions, no minimum order quantities

Accessible and responsive engineering support · Obsessed with quality and qualification
Superior technical designs for extended durability and performance



SeaKing™ Power

1–6.6kV connectors for deep sea
oil & gas primary power junctions

- For primary power junction applications
- High-voltage 1 – 6.6 kV, high-amperage up to 350A
- API-compliant with test ports
- Fully redundant dual O-ring sealing
- Indexable flange or threaded bulkhead designs
- Solder-cup contacts
- O-ring pressure inspection ports available on all BCR and FCR designs
- 10K PSI Factory acceptance testing in both mated and open-face conditions
- Keyed mating interface for mismatch prevention



HIGH VOLTAGE SUBSEA

SeaKing™ Power connectors for underwater primary power junctions

Available configurations and applications



CABLE CONNECTOR PLUG (CCP)



SeaKing™ Power
Cable Connector Plug (CCP)

- PBOF and overmold compatible cable connector plug
- Super duplex stainless steel or titanium construction with glass-reinforced thermoplastic insulator
- Accepts various backshell accessories
- Aggressive coupling nut knurling for easy field mating
- Inspection ports, spanner wrench holes, and coupling nut lock set screws ensure reliable foolproof performance
- Mates with SeaKing Power receptacle assemblies with similar contact arrangement
- Conductor sealing boots protect solder cup wire-to-contact terminations in the event of a flooded hose

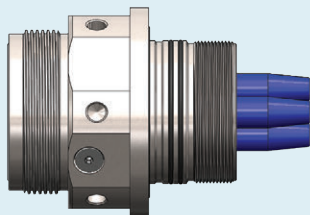
FLANGE CONNECTOR RECEPTACLE (FCR)



SeaKing™ Power
API-Compliant
Flange Connector Receptacle (FCR)

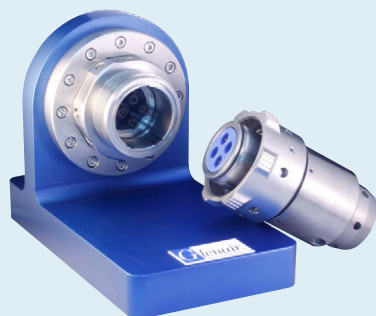
- FCR delivers 10K PSI sealing in both mated and open-face condition
- Indexable flange allows receptacle shell rotation for 360° routing flexibility of right-angle-mating cable plugs
- Available API O-ring pressure test ports ensure reliability prior to deployment to ocean floor
- Super duplex stainless steel or titanium shells for complete compatibility with mating CCP
- Wire sealing boots ensure reliable environmental protection of cable-to-connector interface

BULKHEAD CONNECTOR RECEPTACLE (BCR)



SeaKing™ Power
API-Compliant
Bulkhead Connector Receptacle (BCR)

- BCR is designed for direct threaded bulkhead mounting
- Supplied washer, mounting nut, and bulkhead-mate O-ring seals ensure secure sealing and grounding to equipment housing
- BCR shell equipped with both wrench flats and spanner wrench holes for convenient installation regardless of tool choice
- Available API O-ring pressure test ports ensure reliability prior to deployment
- Mates with SeaKing Power CCP with similar contact arrangement



SeaKing™ Power Performance Specifications		
Pressure Rating	Plug: 10,000 psi, mated condition Receptacles: 10,000 psi mated and open face	per ISO 13628-6
Electrical	1–3kV, 350 Amps max per contact	per MIL-STD-202, Method 301
Materials	Salt Spray (corrosion) Humidity (steady state) Thermal Cycle	MIL-STD-202, Method 101 MIL-STD-202, Method 103 ISO 13628-6
Power Ratings	3kV, 50 Amp / contact 1kV, 50 Amp / contact 1kV, 150 Amp / contact 1kV, 350 Amp / contact	P/N 700-101-48, 700-106-48 P/N 707-0065, 707-0066 P/N 707-0088, 707-0089 P/N 707-0142