



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

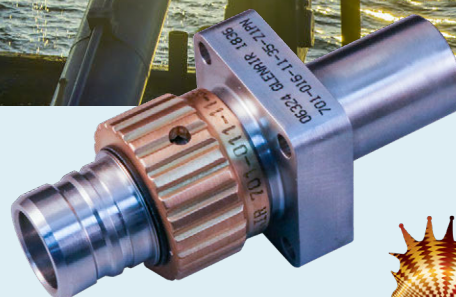
Superior technical designs for extended durability and performance



SeaKing Junior

High-reliability, dry-mate,
harsh-environment connectors
and cables

- For intelligent inline inspection (PIG) applications and subsea instrumentation
- 10,000 psi (mated condition) pressure-rated connector for overmolded (non-PBOF) applications
- High density, small form-factor solution—up to 50% reduction in size and weight compared to industry standard solutions
- Piston-seal nitrile O-ring equipped, epoxy potted
- Ultraminiature high-density pin configurations: #22D, #20, #20HD, #16, #12, #8 signal, power, fiber optic and high-speed datalink shielded contacts

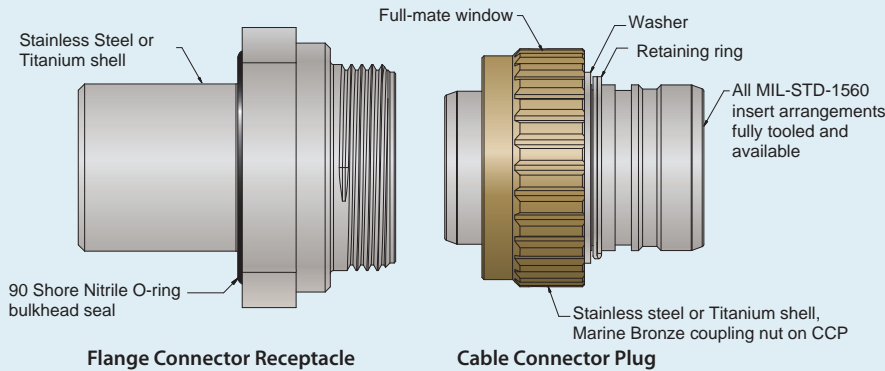


SERIES 701 SeaKing™ Junior Harsh-Environment Dry-Mate Connectors

10K psi high-density overmolded cable connectors



SERIES 701 SEAKING™ JUNIOR MECHANICAL FEATURES AND CONFIGURATIONS



**Stainless Steel or Titanium shells,
Marine Bronze coupling nuts**

Available in nine sizes from 2 to 128 contacts, Series 701 connectors feature stainless steel or marine bronze shells. Nitrile O-rings resist high temperature and corrosive chemicals.

10,000 psi

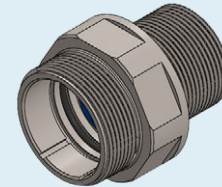
These connectors withstand up to 10,000 PSI hydrostatic pressure in a mated condition.



Series 701-011
Cable Connector
Plug (CCP)



Series 701-016
Flange Connector
Receptacle (FCR)



Series 701-017
Bulkhead Connector
Receptacle (BCR)

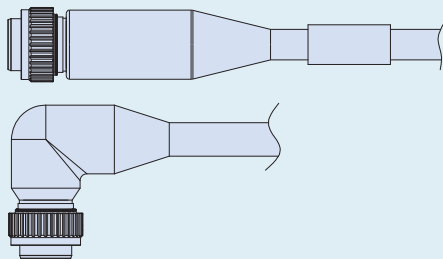
SEAKING™ JUNIOR SERVICE RATINGS AND PERFORMANCE SPECIFICATIONS

Service Ratings			
Service Rating	Sea Level DWV (VAC)	Operational	
		VAC	VDC
M	1300	433.3	612.8
N	1000	333.3	471.4
I	1800	600.0	484.5
II	2300	766.7	1084.2

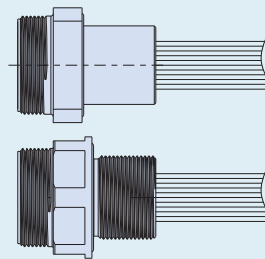
Current Rating		
Contact Size	Amps	Wire Size
#8	46.0	8 AWG
#10	33.0	10 AWG
#12	23.0	12-14 AWG
#16	13.0	16-20 AWG
#20	7.5	20-24 AWG
#22D	5.0	22-28 AWG

Performance Specifications	
Insulation Resistance	5000 megohms at 500 VDC
Operating Temperature	-65° C to +175° C
Hydrostatic Pressure	10,000 PSI mated condition, tested per ISO 13628-6
Durability	300 mating cycles

SEAKING™ JUNIOR OVERMOLDED CABLES AND PIGTAIL ASSEMBLIES



Harsh-environment polyurethane overmolded point-to-point cables with straight or right-angle ends, one-to-one wiring



Pigtail receptacle assemblies, variable cable length, single-conductor M22759/11 wire, environmental back-end potting



All featured insert arrangements tooled and available now including high-density and combo layouts for Coax, Twinax, and El Ocho™ octaxial contacts