Geo-Marine®

High-pressure harsh-environment connectors and overmolded cables for towed array and other high-pressure/submersible applications

Marine Grade 316 stainless steel machined shells and Naval Bronze coupling rings

High-pressure environmental and hermetically sealed receptacles for field applications

Power and signal contact arrangements from 2 to 128 contacts

Anti-vibration ratcheted coupling nuts with castellated knurling

Available Viton® overmolded cable assemblies

Geo-Marine® plugs are equipped with arctic coupling nuts—made from marine-grade naval bronze—with easy-to-grip castellated knurling and a powerful ratcheted anti-decoupling mechanism which guarantees reliable mating and demating performance in even the harshest environments. Supplied as discrete connectors—or more typically in build-to-print overmolded cable assemblies.

Receptacle Configurations: High-pressure environmental (“E”) and hermetic (“H”) class receptacles are available for cable as well as box applications. Rugged o-ring piston seals located inside the receptacle barrel contribute to reliable high-pressure sealing in the mated condition. Glenair is able to supply Geo-Marine® customers with a wide range of receptacle configurations for unique requirements including low-profile and scoop-proof designs, pin and socket contact designs, solder cup and printed circuit board termination, unique flange shapes and mounting configurations, in-line cable receptacles, connector savers and gender changers.

HIGH-PRESSURE ENVIRONMENTAL AND HERMETIC RECEPTACLE CONFIGURATIONS

- Jam Nut
- In-Line
- Square Flange
- Solder-Mount
- Bulkhead Feed-Through

Range of Offerings

Series 22 Geo-Marine® connectors are supplied with either fused-glass (“H” hermetic class) or high grade thermoplastic (“E” environmental class) insulators. Both classes of connectors are supplied with rugged, corrosion-resistant materials. Low-profile and scoop-proof cable plugs and receptacles, as well as bulkhead feed-throughs are available. Specially-designed cable sealing backshells as well as EMI/RFI shield termination backshells and environmentally-sealed protective covers complete the range of discrete product offerings. 35 insert arrangements (contact sizes #12, #16, #20 and #22) are tooled and fully available.