



# SERIES 70 10K PSI / 700 BAR / 7000 M SeaKing™ High-Pressure Subsea Connectors, Cables, and PBOF Assemblies

Key mechanical and environmental features



**Sealing:** The Series 70 SeaKing™ is the best sealed subsea connector on the market. All critical interfaces, including bulkhead seals, glass-to-metal insert seals, mating interface bore seals, and face seals are fully redundant ensuring 10K PSI protection, even in the event of a single-seal failure.

**Mating:** SeaKing™ utilizes a modified UNC (coarse) mating interface with added clearance to reduce bio-fouling and facilitate rapid-advance mating. The marine bronze engaging nut on the plug is equipped with wrench flats as well as knurling and is less susceptible to galling than standard steel engaging nuts. Polarized keys and keyways prevent both thread damage and mismatching.

**Ease-of-Use:** Multiple PBOF backshell indexing points, indexable flange FCRs, full-mate inspection ports, retractable engaging nuts, and other features make SeaKing™ the most user-friendly subsea connector on the market.

Retractable engaging nut retention ring for easy O-ring inspection/replacement

Optional Overmold Delamination Ring Accessory

Engaging Nut set screw (3 places)

SeaKing Flange Connector Receptacles feature a removable spoked body and indexable flange

Indexable flange

Disengage flange to rotate body for multiple clocking positions

Multiple PBOF backshell indexing points

Accessory thread and overmold features

Wrench flats

Full-mate inspection port

Dual O-rings

Dual O-rings

Replaceable Nitrile or Buna-N (NBR) O-ring seals facilitate fast and trouble-free field replacement

Available pressure-balanced oil filled (PBOF) back end for use with oil-filled cables

BCR showing keyway-assisted mating and polarization feature and wrench flats for reliable, secure attachment to pressure bulkheads

Series 70 SeaKing™ cable assemblies are available from the factory with special 10,000 PSI overmolded cable-to-plug connector environmental sealing.

Revolutionary PBOF swivel assembly features kink-proof hose swivel, straight, 45° and 90° routing, and superfast assembly

SUBSEA/DEEPWATER: SEAKING™

