

## UNDERWATER ELECTRICAL WET-MATE CONNECTORS

### INTRODUCTION

SEACON (europe) Ltd has re-developed its well known U-MATE range of underwater electrical wet-mate connectors, making it easier to manufacture and incorporating existing proven technology.

The **SEA-MATE** series has many features including fully interchangeable inserts which offers greater flexibility to the customer with full PBOF capability and increased contact configurations. In addition, this connector range has many of the original features as those of the U-MATE series including, positive keying and proven underwater mating technology and a robust design for harsh subsea environments.

The manufacture and assembly of all parts in house ensures that each **SEA-MATE** connector is supplied to the highest of standards. This connector range is manufactured from 316L Stainless Steel as standard, however other materials are available upon request.

### AVAILABILITY

The **SEA-MATE** range is available in 4 shell sizes from 2 to 37 contact configurations. With oil filled and moulded versions available and the ability to incorporate FITA technology, this connector series is extremely adaptable. Pressure rated to 7,500 psi (5,200m water depth), this latest series offers the next evolution of our highly successful connector range.

### APPLICATIONS

The **SEA-MATE** is suitable for applications such as underwater cameras, diver communications, lights, pan and tilts or any application where underwater mateability is required.

### TESTING

These connectors have gone through full in-house qualification testing, including but not limited to, the following:

- Dielectric breakdown.
- Dry mate-demate lifecycle.
- Wet mate-demate lifecycle.
- Mated and open face Hydrostatic pressure testing upto 10,000 psi.

For further information please contact SEACON®.