

Underwater Dry-Mate Connector 1-Way High Current



SPECIFICATIONS

- Current rating: Up to 1000 Amp
- Test Voltage: 2500 VDC
- Contact resistance: < 4 mΩ
- Insulation resistance: >10 GΩ at 1000 VDC
- Pressure range mated: Up to 300 bar (4500 psi)

DESCRIPTION

The connector is based on a modular design with standard O-ring seals. Boot seal and/or polyurethane mould is used to seal against the cables outer jacket.

This particular connector was custom made for a special project where high current at low voltage was required. From project start to delivery of prototype we had 21 days. Connectors are now in operation and are performing very well.

Bennex with its engineering department and a wide range of high quality mechanical sub-suppliers are able to tailor make products like this within a short time frame.

FEATURES

- Shell material: Seawater-resistant bronze and stainless steel (other materials on request)
- Contact materials: Gold and silver plated copper pin and socket. Multilams used in socket
- Contact connection: Crimping
- Insulator material: Peek and neoprene boot seal and/or polyurethane mould dependant on outer jacket material in cable
- Temperature range: -30 deg. C to + 90 deg. C
- Mating operations: Depending on thickness of plating (gold/silver) in excess of 50 matings
- Pressure rating: This particular connector was Pressure tested to 350 bar. Current test performed at 1100 Amp