

UNDERWATER ELECTRICAL DRY-MATE CONNECTORS

INTRODUCTION

As organizations in the subsea industry develop more applications with fiber optic technology in mind, there has been a dramatic increase in the quantity and complexity of electro-optic connector configurations needed to fit these applications. In order to meet the changing requirements of customers, the **SEACON** Group has developed a comprehensive and extensive range of fiber optic products which are designed and manufactured to meet the specific and varied environmental conditions imposed on connectors today.

Our standard dry-mate optical products are based around three of **SEACON**'s connector ranges; the **MSS** (Metal Shell Series), **MINI-CON** and the latest **OPTI-CON** series which was developed in response to a need for a standard high quality electro-optic connector.

With over 13 years experience in underwater optical connectivity, **SEACON** can offer optical dry-mate, wet-mate, underwater mateable connectors, optical penetrators and optical fiber management systems.

AVAILABILITY

SEACON's fiber optic connectors are available in a variety of shell sizes ranging from 1 to 48 contacts, single-mode or multi-mode with a wide range of shell materials including 316 Stainless Steel (as standard) although other materials are available including Titanium, Monel™, Inconel™ and Aluminum. Pressure rated to 20,000 psi with an insertion loss of <1.0dB, typically <0.5dB, these dry mate connectors are also available with Pressure Balance Oil Filled (PBOF) and glass sealed options.

APPLICATIONS

Since **SEACON** first started manufacturing fiber optics, the diversity of applications has increased and now includes sonar and surveillance systems, ROV's/AUV's, BOP monitoring equipment, neutrino detection, stress monitoring, subsea camera systems and downhole applications.

TESTING

All connectors are subjected to the following:

- Electrical Insulation.
- Continuity.
- Optical.

Please contact **SEACON** for full test specifications for individual connectors.