

PRODUCT DATASHEET

HYBRID HYDRALIGHT

8-CHANNEL, WET-MATE, ELECTRO / OPTICAL CONNECTOR (4 ELECTRO / 4 OPTIC)



HYDRALIGHT, bulkhead mounted plug (left), flying lead ROV receptacle (right)

DESCRIPTION

The **HYDRALIGHT** is a field proven, second generation underwater mateable, high integrity, fiber optic hybrid connector. It is an 8 channel device that facilitates underwater connection of optical fibers and electrical wires.

KEY FEATURES

- Over 2,000 Optical **HYDRALIGHT** units sold worldwide
- Field proven track record with over 32 million accumulated operating hours
- Mean Time Between Failure (MTBF) of better than 6.9 million hours
- Modular optical contacts up to 4 channels
- Modular electrical contacts up to 4 channels
- Voltage rating to 1,000 VAC
- Current rating to 5 amps
- Field-proven sealing mechanisms
- Oil-filled and pressure balanced
- Coupling within "joined-chamber"
- Seawater compatible internals
- ROV operable interface
- Linear latch & de-latch mechanism
- **SEA CON**® Precision MKII PBOF hose interface
- Qualified to 7,000m (23,000 feet)
- Life cycle minimum 100 mate/de-mates
- 2nd-Generation wet-mate connector
- Average single-mode insertion-loss of better than 0.2dB (0.5dB max)
- Average single-mode back-reflection of better than -50dB over mate-cycle life (min of -35dB)
- Single-mode or multi-mode optical fiber
- Highly compatible elastomers
- Improved compensation fluid
- Designed to meet the "Optical Wet-Mate Connector Specifications" for Norsk Hydro, Statoil, Elf Exploration, Total, Hess and BP
- Patented design and features

QUALITY

- **SEACON** Advanced Products, LLC operate a Quality Management System accredited to ISO 9001:2008.



SEACON Advanced Products, LLC.

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