

SEACON

SEACON ADVANCED PRODUCTS, LLC PRODUCT DATASHEET

SUTA SUBSEA UMBILICAL TERMINATION ASSEMBLY



DESCRIPTION

The Optical Subsea Umbilical Termination Assembly or **SUTA** is a termination and distribution unit for optical cables. It contains an integral pressure balanced compensation system, fiber management system, mechanical armor termination and fiber k-tube feed-through penetrations.

KEY FEATURES

- Integral fiber management system
- High pressure fiber optic feed-through penetrations
- Boot seals
- Depth Rating: Full ocean depth
- Field installable (no compounds)
- Oil filled and pressure compensated
- Dual o-ring seals
- Slide over cover for easy access and assembly
- Secure splice tray for maximum fiber stability
- Small - 5" (127mm) Diameter 15" (381mm) Length
- Modular cable termination design to facilitate different cables
- Options for multiple cable entry
- Options for multiple connections

QUALITY

- **SEACON** Advanced Products, LLC operate a Quality Management System certified to ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007.





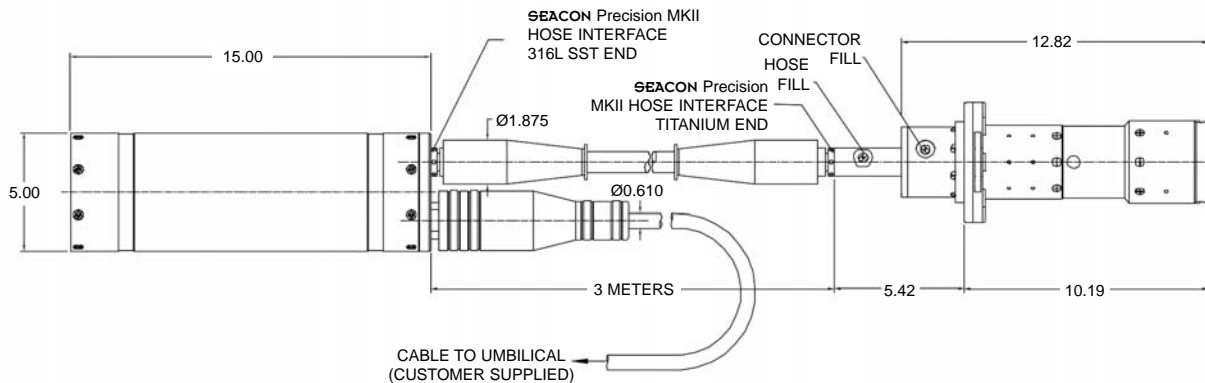
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DESIGN RATINGS & TESTING

- Design Life: 25 Years
- Adaptability to design for easy cable variations
- Lightweight - approximately 10lbs (4.5kg) in air
- Umbilical termination fiber splice, <math><0.10\text{ dB}</math> per splice
- **HYDRALIGHT** wet-mate fiber optic connector, <math><0.50\text{ dB}</math> per channel
- Operating Depth: 4500m
- Storage Temperature: - Operational Temperature: - Pressure Compensation Fluid: Silicone Oil
- 24 hour Helium Leak Test
- Pressure Test 345 bar (5,000 psi), ambient temperature, 1 week soak
- Pressure Test 690 Bar (10,000 psi), ambient temperature, multiple cycling
- Hose assembly axial pull test

MATERIALS

- 316L SST, Titanium
- Elastomer: Nitrile



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