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

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, <0.10 dB per splice
- HYDRAULIGHT wet-mate fiber optic connector, <0.50 dB per channel
- Operating Depth: 4500m
- Storage Temperature: -20°C to +60°C (-4°F to +140°F)
- Operational Temperature: -5°C to +45°C
- 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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