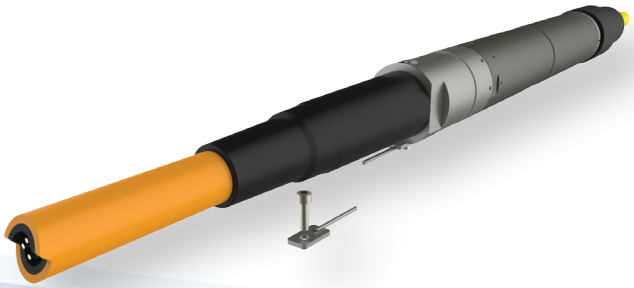
Compact FACT

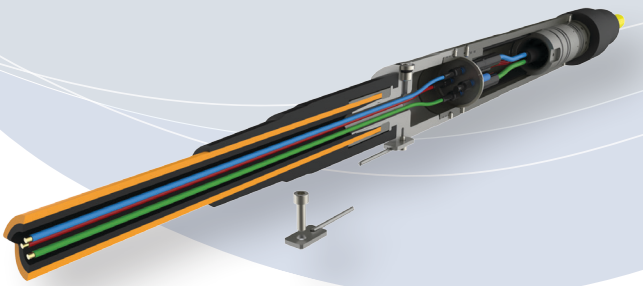
Compact Electrical Field Assembled Cable Terminations for Subsea Applications – Up to 4 electrical circuits

The FACT is a key enabling cable termination technology developed to extend the operational depth and significantly increase the reliability of cable terminations. The Compact FACT is designed specifically for 4-conductor cables, employing a smaller form factor for applications with space limitations. The modularized FACT technology completely isolates the cable elements from the pressure balanced dielectric fluid-filled splice chamber and ambient subsea pressure using a penetrator assembly.



Compact Electrical Field Assembled Cable Termination

The FACT, which provides isolation of the cable elements using a penetrator assembly, eliminates cable-dependent design limitations and common mode/single point failures. The FACT penetrator assemblies may be terminated directly to atmospheric enclosures or pressure balanced dielectric fluid-filled splice canisters. The FACT penetrator assemblies have also been designed with modularity in mind and may be used with Teledyne ODI ancillary accessories to adapt to a wide array of interfaces.



Cutaway of Compact Electrical Field Assembled Cable Termination

The standard FACT components allow Teledyne ODI to factory build and test the majority of the termination assembly. As a result, only cable breakout, soldering, and encapsulation are performed in the field, thus significantly reducing operator dependence, termination time and significantly increasing reliability.

PRODUCT FEATURES

- **Wet-Mate Connectors**
- **Subsea Junction Boxes**
- **Modular Connectorized Distribution Unit (MCDU)**
- **Subsea Power Connectors**
- **Pressure Balanced Oil Filled (PBOF) Hose**
- **Downhole Connectors**

TELEDYNE MARINE
Everywhereyoulook™

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TECHNICAL SPECIFICATIONS

GENERAL SPECIFICATIONS	Operational Temperature	14˚F to 122˚F (-10˚C to +50˚C) *
	Storage Temperature	-40˚F to 140˚F (-40˚C to +60˚C) *
	Maximum Test Pressure	10,000 psi *
	Maximum Operational Pressure	6,600 psi *
	Minimum Cable Diameter	0.500 in (15.9 mm)
	Maximum Cable Diameter	1.000 in (25.4 mm)
	Material	Titanium Gr 2 or 316L Stainless Steel (Nitronic 60 Housing)
	Design Life	25 Years
OPTICAL SPECIFICATIONS	Number of Circuits	4 maximum **
	Maximum Operational Current	30 amps per circuit *
	Maximum Operational AC Voltage	1.8 kV
	Maximum Operational DC Voltage	3.3 kV
	Insulation Resistance	≥10 GΩ @ 1 kVDC *
	Contact Resistance	≤0.1 Ω per circuit

* Subject to cable performance
** 5th circuit for drain wire

Compact FACT Jumper

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