

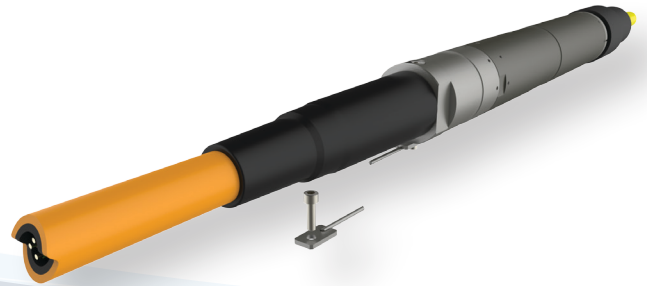
# Compact FACT

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

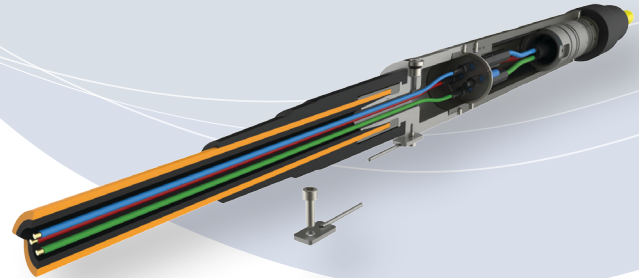
The FACT is a key enabling cable termination technology developed to extend the operational depth and significantly increase the reliability of cable terminations. The Compact FACT is designed specifically for 4-conductor cables, employing a smaller form factor for applications with space limitations. 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.

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.

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.



*Compact Electrical Field Assembled Cable Termination*



*Cutaway of Compact Electrical Field Assembled Cable Termination*

### 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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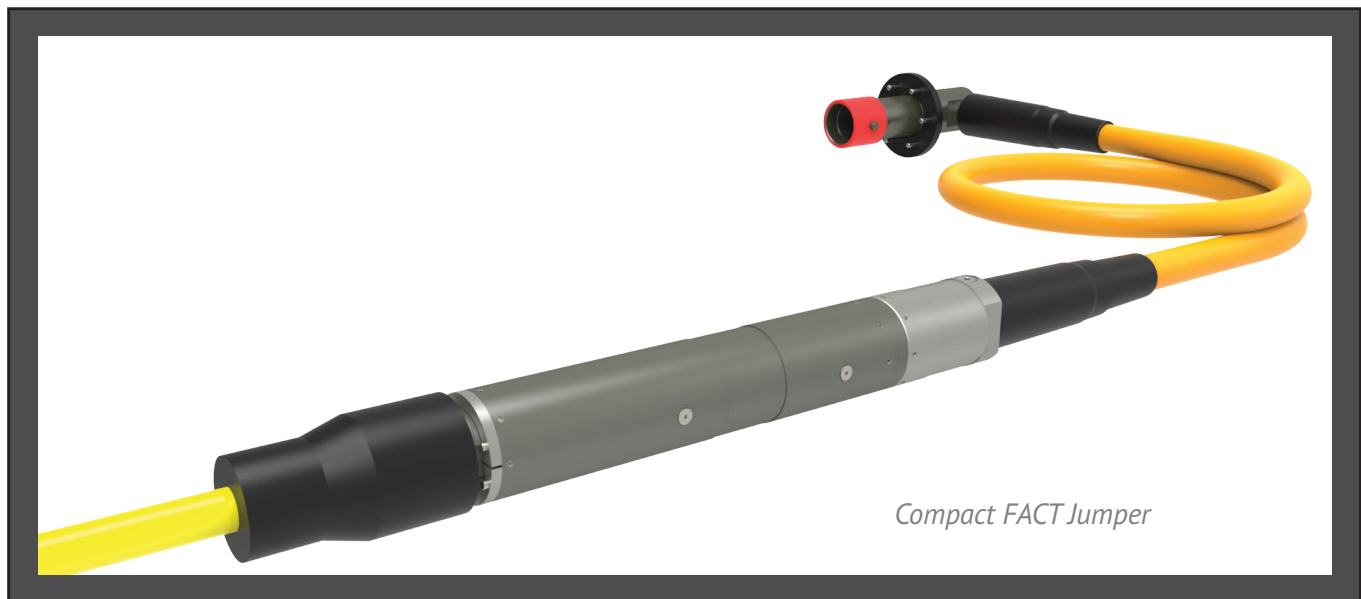


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 – Up to 4 electrical circuits

## TECHNICAL SPECIFICATIONS

<b>GENERAL SPECIFICATIONS</b>	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	
<b>OPTICAL SPECIFICATIONS</b>	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