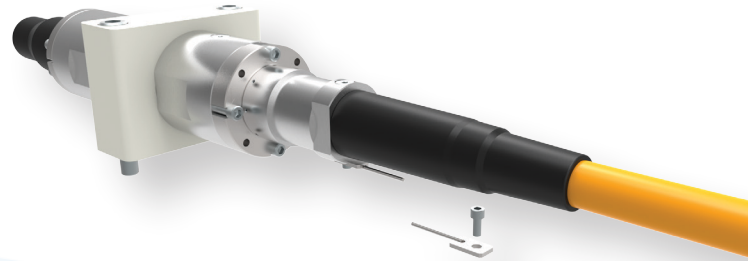


# FACT

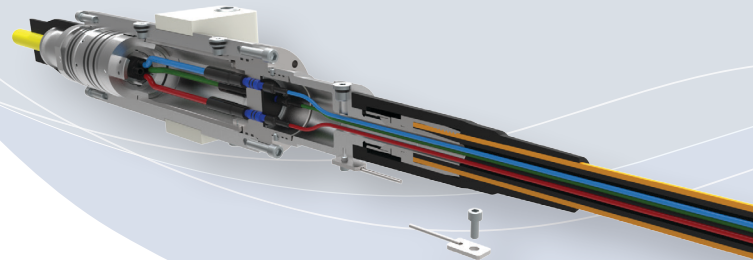
## Electrical Field Assembled Cable Terminations for Subsea Applications – Available in 1-way thru 7-way configurations

The Field Assembled Cable Termination (FACT) from Teledyne ODI is a key enabling technology developed to extend the operational depth and significantly increase the reliability of cable terminations. FACT is suited for Production and Infield Umbilical Termination, Drilling Controls, Installation/ Workover Control Systems (IWOCS), Umbilical Splices, Buoy End Terminations, Observatory Node Termination and Remote Instrumentation.

The FACT modularized system completely isolates the cable elements from the pressure- balanced dielectric fluid-filled splice chamber and ambient subsea pressure using a high reliability penetrator assembly. The FACT approach to cable termination eliminates cable-dependent design limitations and common mode/single point failures. The major design elements used are based on fully qualified and field-proven sealing technologies, and draws upon ODI's extensive experience in cable termination. 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.



*Electrical Field Assembled Cable Termination*



*Cutaway of Electrical Field Assembled Cable Termination*

### RELATED PRODUCTS

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



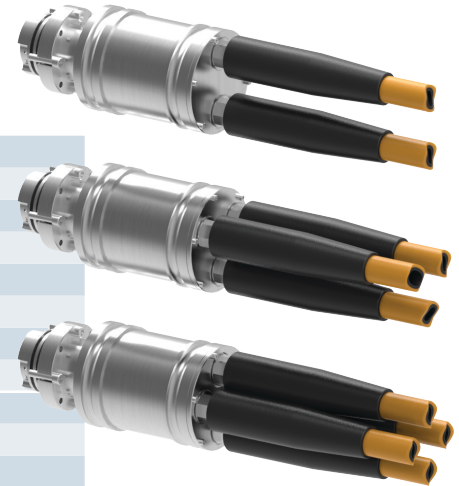
**TELEDYNE MARINE**  
Everywhere you look™

# FACT

Electrical Field Assembled Cable Terminations for Subsea Applications – Available in 1-way thru 7-way configurations

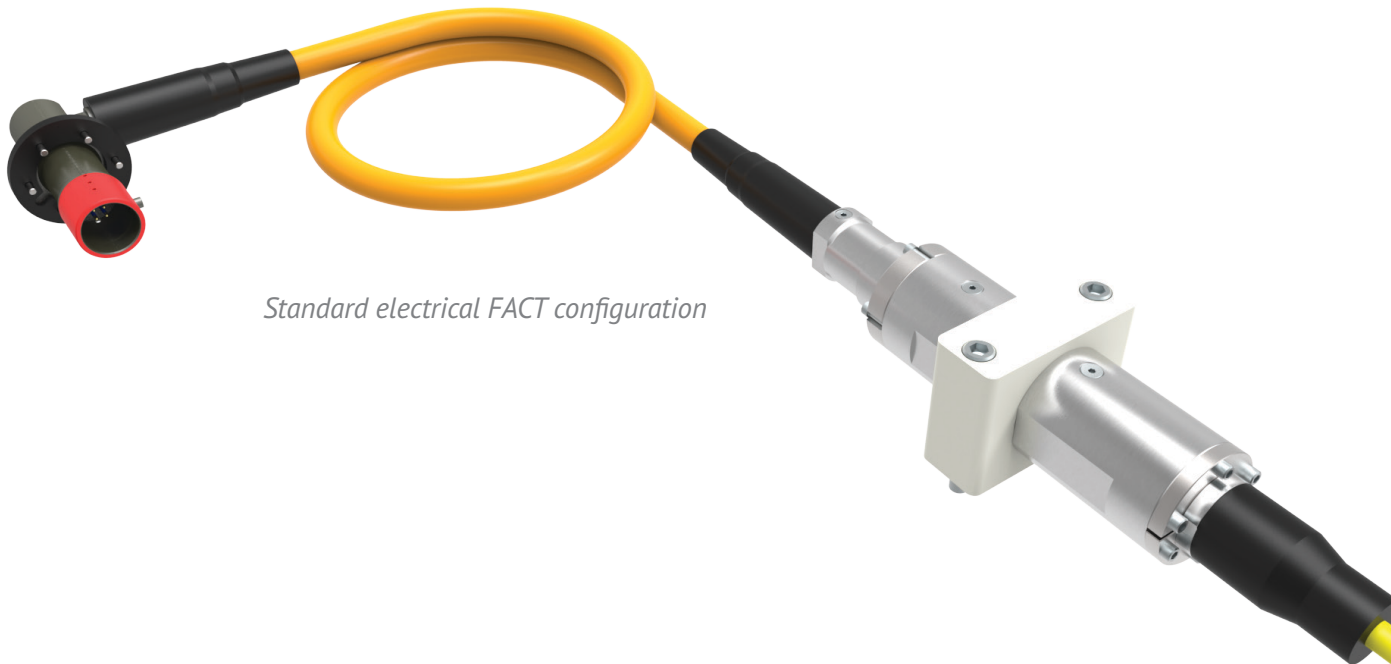
## TECHNICAL SPECIFICATIONS

<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	0.625 in (15.8 mm) **
	Maximum Cable Diameter	1.27 in (32.3 mm) **
<b>ELECTRICAL SPECIFICATIONS</b>	Material	Titanium or 316 Stainless Steel
	Design Life	25 Years
	Number of Circuits	7 max **
	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	



*The FACT is available with multiple exits*

\* Subject to cable performance  
 \*\* Contact Teledyne ODI for cables outside this range.  
 \*\*\* Contact Teledyne ODI if greater voltages are required.



*Standard electrical FACT configuration*