

ELECTRICAL PRODUCTS



FACT G2

Field Assembled Cable Termination in 1-way thru 7-way configurations.

FACT G2 is the second generation of Teledyne ODI's Field Assembled Cable Termination, a new and key enabling technology developed to extend the operational depth and significantly increase the reliability of cable terminations. FACT G2 is perfectly 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 G2 modularized system, which provides isolation of the cable elements using a penetrator assembly, eliminates cable-dependent design limitations and common mode/single point failures. The FACT G2 penetrator assemblies may be

terminated directly to atmospheric enclosures or pressure balanced dielectric fluid-filled splice canisters. The FACT G2 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 preformed in the field, thus significantly reducing operator dependence, termination time and significantly increasing reliability.

FULL LINE OF ELECTRICAL PRODUCTS:

- Nautilus™ Connectors—
Standard and Chemically
Resistant (CR)
- Down-hole Connectors
- FACT —
Electrical Field Assembled
Cable Termination
- High-Power Connectors

ELECTRICAL PRODUCT DATA SHEETS:

To access the electronic version
of this document, go to:

www.odi.com/Products.html



Teledyne ODI is the world leader in subsea electrical and fiber optic interconnect systems for offshore oil and gas, defense, oceanographic, and telecommunication applications.

FACT G2

GENERAL SPECIFICATIONS

Operational Temperature:	-10°C to +50°C *
Storage Temperature:	-40°C to +60°C *
Max Test Pressure:	10,000 psi *
Max Operational Depth: (with FOS of 1.5)	14,750 ft (4,500 m) *
Minimum Cable Diameter:	0.625 in (15.8 mm) **
Maximum Cable Diameter:	1.27 in (32.3 mm) **
Material:	316L Stainless Steel or Titanium Gr 2
Design Life:	25 Years

ELECTRICAL SPECIFICATIONS

Number of Circuits:	7 **
Max Operational Current:	30 amps per circuit*
Max Operational AC Voltage:	1.8 kV ***
Max Operational DC Voltage:	3.3 kV ***
Insulation Resistance:	≥10 GΩ @ 1 kVDC *
Splice Resistance:	≤0.1 Ω per circuit

* Subject to cable performance

** Contact Teledyne ODI for cables outside this range.

*** Contact Teledyne ODI if greater voltages are required.

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TELEDYNE ODI
A Teledyne Technologies Company



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This product is covered by one or more of the following U.S. and/or foreign patents; 4,948,377; 5,203,805; 5,171,158; 5,194,012; 1,296,783; 5,645,438; 5,685,727; 5,722,842; 5,645,442; 5,772,457; 5,738,535; 5,873,750; 6,067,395; 6,321,021; 6,315,461; 6,017,227; 6,608,960; 6,439,778; 6,332,787; 6,665,477; 6,402,539; 6,510,270; 6,543,965; 6,796,821; 6,910,910. Other pending U.S. and foreign patents may apply.