Umbilicals and Subsea Power Cables
Excellence in Connecting Subsea
Control and Power Umbilicals

The control umbilical consists of hydraulic lines used for transfer of chemicals and fluids. In addition, electrical and fiber optical components used to monitor pressure, temperature, flow, vibrations etc can be part of the construction.

Control umbilicals are used for control and operation of subsea production, subsea processing and subsea injection facilities.

Parker Scanrope’s experience comprise of a wide range of umbilical types from simple static umbilicals to complex dynamic umbilicals.

The hydraulic line material is dependent on the functional requirement. Both thermoplastic hoses and steel tubes are in our product range. As with the hydraulic lines, the communication and power components will be adapted to suit the requirements specified.

Major components:
Super Duplex steel tubes - Thermoplastic hoses
Medium Voltage - High Voltage power conductors
Low voltage signal cables
Fibers in Metallic Tubes (FIMT)

Operating area:
Oil and gas industry
Subsea Power Cables

The power cable is custom built and contains electrical conductors, fiber optic- and electrical signal cables.

Subsea power cable is used for transmission of electric power between offshore installations and for the supply of electric power to subsea processing, subsea pumps or other subsea facilities. The voltage rating and conductor cross-section is optimized in accordance with the functional requirements.

Power cables can be manufactured both as dynamic and/or static cables.

Major components:
- Medium Voltage - High Voltage power conductors
- Fibers in Metallic Tubes (FIMT)

Operating area:
- Oil and gas industry.
- Renewable industry such as offshore wind power, tidal and wave applications.

Parker Scanrope can offer flexible solutions in order to best facilitate and optimize the logistics with regards to transportation, installation and storage.
Terminations – Accessories
Parker Scanrope have developed a family of field proven accessories to meet customer demands.

Subsea/topside terminations are an integral part of the supply of umbilicals and power cables. The Engineering and Research & Development staff have the experience and technical qualifications to supply customers with the necessary information for choosing the best umbilical and accessory designs, customized to meet the specified requirements.

Typical termination components:
Hang-Off
Pull-in

Services
Parker Scanrope can provide a range of supportive services to its customers.

The service department offers both manpower and test equipment offshore and onshore. Maintenance, testing and after sale services of umbilicals, subsea cables and terminations are also provided. Furthermore, supervision during installation and assistance is available.

The following services can be provided:
Installation and test services
Supervision during installation
Maintenance

Studies and Analysis
Parker Scanrope offers front end engineering and design studies.

In order to provide you with sufficient details to evaluate your next development, Parker Scanrope offer front end engineering and design studies. Examples of what can be provided:

Feasibility Studies
FEED studies
Dynamic analysis

ENGINEERING YOUR SUCCESS.
Parker Scanrope AS manufactures the most modern cabled products available for offshore oil & gas industry as well as the offshore wind turbine industry built on foundations deriving from centuries of traditions.

Extensive experience and know-how in the design and production of umbilicals, subsea power cables and associated termination equipment makes Parker Scanrope a first class supplier of specifically engineered subsea solutions.

Parker Scanrope’s quality management system is certified by DNV to ISO9001:2008. The in-house quality assurance system details the control and coordination of all activities to ensure product quality.

With state of the art machinery, Parker Scanrope provides a highly flexible production capacity, which means the ability to produce complex and demanding products, efficiently and effectively.

Further, with a unique deepwater quay facility and 250 tonne dock-side crane, Parker Scanrope is equipped to handle large vessels & load-out operations.

The layout of the factory allows flexibility in the production route of a project, facilitating the possibility to run multiple projects at the same time. Therefore, with its highly qualified staff, Parker Scanrope will provide the products and services for all your subsea umbilical and cable needs.

The manufacturing plant has the following capabilities:

- Cabling machine with 16 insets + centre
- Cabling machine with 9 insets + centre
- 3 turntables 2200t each
- 3 turntables 650t each
- 2 armouring machines
- 2 extruder machines
- Braiding machines
Parker Scanrope – An Advantageous Choice

Parker Scanrope’s commitment is to support every client with the best solutions to answer the challenges of the industry, and deliver on-time and on budget to meet your project schedule.