



Oil & Gas - SURF

Exploration & Production

IWOCS

(Intervention Workover Control Systems)

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Prysmian Subsea Umbilicals, Risers and Flowlines (SURF) is offering products for connecting subsea assets to a platform or floating production system at the surface. IWOCS Umbilicals are used to provide various control services for well workover applications including hydraulic, electrical, and optical signals.

APPLICATION

The main functions of the Workover Umbilical are as follows:

- Control and monitor the subsea equipment during installation, retrieval and workover
- Control and monitor the downhole equipment during completion, flow testing and workover operations
- Test manifolds and/or PLEM during installation, when applicable

All raw materials used in Prysmian SURF products are developed, tested and certified according to the most stringent Quality Standards.

DESIGN & CONSTRUCTION

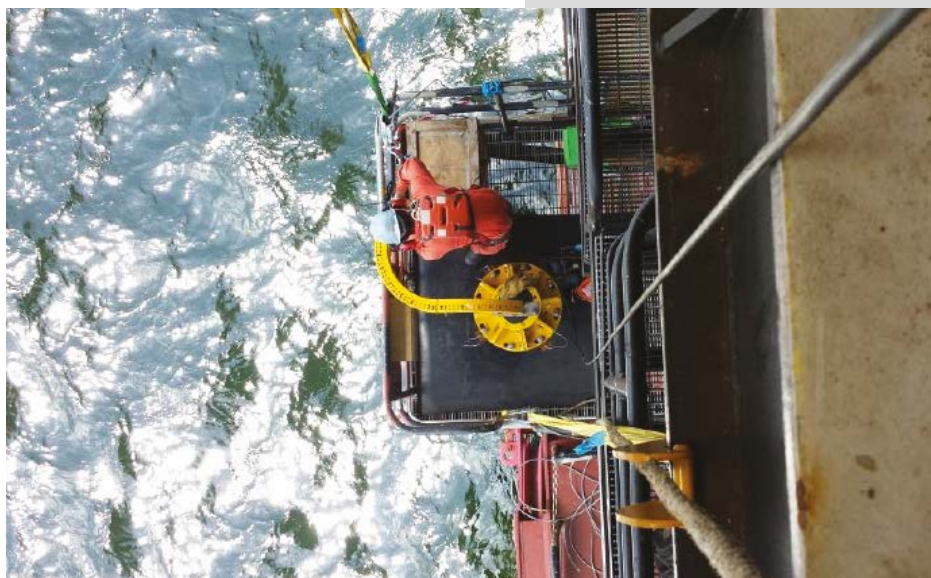
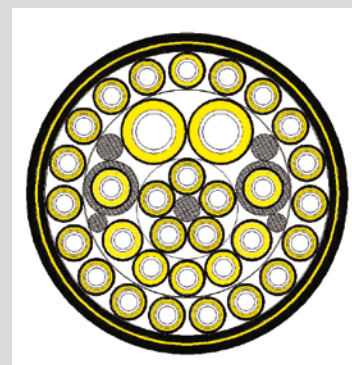
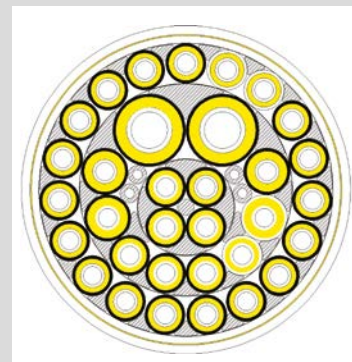
IWOCS are usually deployed from a powered winch on a vessel positioned above the well and subjected to a quite large number of spooling and un-spooling cycles during their product life span. Due to that, flexibility is a very important parameter that guides their design.

STANDARDS & APPROVALS

Reference Standard: ISO 13628-5 / API 17E.

QUALITY & TESTING

Prysmian Group has one dedicated R&D Center for SURF Solutions based in Brazil, which is fully integrated with other 16 R&D centers spread worldwide, in order to benefit from Prysmian's high level of synergy and efficiency. The R&D center for SURF in Brazil is structured to allow a full development of Umbilicals and Flexible Pipes. This center relies on dedicated facilities and qualified engineers and technicians with a specific experience in SURF solutions. Our laboratories offer a great variety of solutions for application development of polymeric materials and metals, failure analysis and plant support, mainly to provide the largest possible range of options.



CONTACT INFO:

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www.prysmiangroup.com/contact-us



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PRODUCT RANGE

Prysmian is able to provide a global solution for SURF products, for instance, from the cross-section definition and raw material selection up to the full qualified product and services during the product installation.

PARAMETER	VALUE
Maximum Diameter	Up to 120 mm
Strength Member	High strength aramid braid
Manufacturing length limitations	Qualified splicing processes are available. Length limited by umbilical design, packing and installation method
Maximum allowable installation tension, breaking tension, and crush load	Designed to meet specific project's requirements
Axial, bending, and torsional stiffness	Based on specific Design
Design life	Based on Customer's requirements
Packing, transportation, and load out	Based on Customer's needs. Options available include: reel, carousel, pallets, baskets"
Installation methods	Umbilicals designed to suit Customer's installation method

This product information sheet is provided for reference only.
For more details, please contact your Prysmian representative.

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