Applications
Among the renewable energy sources, wind power generation is increasingly significant for its reliability, from the poles to the Equator, windmills are installed in sites where the wind blows constantly. In most cases, the environment and climate are extreme and highly variable. This affects the equipment including the cables which transmit the power to the distribution network. Prysmian’s product line of specifically designed to meet the unique conditions of the individual plant and installation area.

Wind Farm Cables include medium voltage and low voltage power, instrumentation and control, multifunction cables. Each is extreme and highly variable. This affects the equipment including the cables which transmit the power to the distribution networks. Prysmian’s Wind Farm Cables comprise a complete range of products that provide high reliability – Mechanical resistance – Thermal resistance – Chemical resistance.

This performance is guaranteed by special rubber compounds that ensure high resistance and extreme flexibility. Prysmian’s Wind Farm Cables include medium voltage and low voltage power, instrumentation and control, multifunction cables. Each is specifically designed to meet the unique conditions of the individual plant and installation area.

Benefits
> Technical competence
Prysmian’s product line of Prysmian’s Wind Farm Cables results from the experience of a long-term cooperation with the applicants as well as the high considered realization of Customer demands. Prysmian has highly skilled human resources able to provide a proactive solution to problems and meet the individual Customer needs for all cable applications at site.

> Product innovation
The TECNION cables are especially designed for the exposure to which they have to be subjected thanks to rubber compounds; this translates into a higher cable/hose durability and longer life time. The cables are suitable for both high and low ambient temperatures, thanks to special compound for insulation.

> Environmental friendly characteristics
Due to the environmental assessment become more and more important. Prysmian’s product offer includes, for that reason Prysmian developed special compounds for insulation and sheathing which are biodegradable, non-scorched and non-corrosive, in case of fire the flame retardant behavior for both rubber insulation and electronic equipment are realized.

Prysmian’s Wind Farm Cables offers fully customized solutions for special purposes and provides all the required technical support for our customers at every stage of their projects, both on and off-shore.

> Customer care and product availability
Prysmian’s Wind Farm Cables are available worldwide, and are delivered to your project in a very short time.

World Wide Excellence Center
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www.prysmian.com
Prysmian is a world leader in the energy and telecommunication cables industry with a strong market position in higher added value market segments. It is organised in two business sectors - Energy Cables & Systems (submarine and underground cable systems for power transmission and distribution, cabling solutions for residential and infrastructure buildings and cabling systems for signalling, control and power feeding for a wide range of industrial applications) and Telecom Cables & Systems (optical fibres, optical cables and copper cables for voice, video and data transmission). The Prysmian Group has a global presence in 34 countries with 54 plants, 7 international R&D Centers and more than 12,000 employees.

Specialising in the development of bespoke products and systems, Prysmian's main competitive strengths include focus on research and development, ability to innovate in terms of both products and processes, and the use of advanced proprietary technologies.

Prysmian’s TECHNERGY integrated cabling solutions™ are designed and structured into twelve different product lines. Each of these offer tailored designs and added value solutions to the most diverse functional and environmental requirements in the following fields:

- Trains
- Cranes & Mobile Equipments
- Marine
- Electro-Mechanical
- Oil & Gas
- Data & Communication
- Plant & Petrochem
- Transportation Infrastructures
- Mining & Tunnelling
- Building & Civil Engineering
- Defence
- Power Plants

To find out more about the TECHNERGY integrated cabling solutions™, Prysmian Cables and Systems invites you to visit the web site: www.prysmian.com

About us

Prysmian has a built-in multi-step quality assurance program, covering the production process from cable design and raw material purchasing, to final inspection and testing documentation. The quality system of Prysmian has been assessed and approved and is audited regularly by Lloyd’s Register of Quality Assurance to the ISO 9001 and ISO 14001 Quality System Standards. The ISO 14001 is the environment quality standard.

Service and accessories

Prysmian offers pre-terminated factory-fitted low voltage as well as medium voltage TE CWIND cables. This specific service is accomplished by customised pre-cutting and provides easier and faster installation inside the towers.
Environmental friendly

Customized design

Complete product range:

Prysmian’s product line of cables is specifically designed to meet the unique conditions of the individual plant and installation area.

Wind Farm Cables: include medium voltage and low voltage power, instrumentation and control, multifunction cables. Each is designed for free suspension inside the towers by offering a high mechanical resistance - Thermal resistance - Chemical resistance.

This performance is guaranteed by special rubber compounds that ensure high resistance and extreme flexibility.

Technergy TM Wind Farm Cables comprise a complete range of products that provide High reliability - Mechanical resistance - Thermal resistance - Chemical resistance.

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Benefits

> Technical competence

Prysmian’s product line of Technergy Wind Farm Cables results from the experience of a long-term cooperation with the applicants as well as the technical need of the market. Customer demands Prysmian has highly skilled human resources able to provide a proactive solution to problems and meet the individual Customer needs for all cable applications at site.

> Product innovation

The Technergy cables are especially designed for the extremely severe conditions. They combine high reliability with high flexibility and low temperature resistance and longer life time.

Customers will benefit from high reliability and very low maintenance costs. The cables are suitable for both high and low ambient temperatures, thanks to special compound for insulation.

> Environmental characteristics

Since the environmental assessment becomes more and more important, Prysmian developed special compound for insulation and sheathing which are both biodegradable, low density and cold resistant. In case of fire the flame inhibitors for both insulation and sheathing allow the use of smoke extraction and fire extinguishing systems.

> Customer care and product availability

To ensure the economical operation of technical sales offices, customers are regularly supported by on-site technical and easy-to-reach sales and technical contact points. Full project management including design and documentation is supplied to all our customers.

Technergy Wind Farm Cables are available and delivered to your premises in a very short time.

Application

Among the renewable energy sources, wind power generation is increasingly significant for its reliability. From the Polas to the Equator, windmills are installed in sites where the wind blows constantly. In most cases, the environment and climate are extreme and highly variable. This affects the equipment including the cables which transmit the power to the distribution network. Critical factors for cable selection are such as resistance to torsional stresses in the towers, economic solutions for cable installations inside and offshore and – for the newly emerging – offshore wind parks – their ability to withstand marine environments.

Technergy Wind Farm Cables comprise a complete range of products that provide High reliability - Mechanical resistance - Thermal resistance - Chemical resistance.
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Prysmian’s TECHNERGY integrated cabling solutions™ is one of the world’s most comprehensive and technologically advanced answers to industry, infrastructure, contractors and OEM’s specific requirements. TECHNERGY integrated cabling solutions™ are designed and structured into twelve different product lines. Each of these offer tailored designs and added value solutions to the most diverse functional and environmental requirements in the following fields:

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- Power Plants

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About us

WIND FARM

Quality commitment

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The quality system of Prysmian has been assessed and approved by Lloyd’s Register of Quality Assurance to the ISO 9001 and ISO 14001 Quality System Standards.

The ISO 14001 is the environment quality standard.

Service and accessories

Prysmian offers pre-terminated factory-fitted low voltage as well as medium voltage TECWIND cables.

This specific service is accomplished by customised pre-cutting and provides easier and better installation inside the towers.
Prysmian is a world leader in the energy and telecommunication cables industry with a strong market position in higher added value market segments.

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