

**POWER
BY REKA**

DryRex²

Nordic Wind
- WIND POWER CABLES

REKA
C A B L E S

DryRex Nordic Wind® - cables for northern conditions



The production of renewable energy has become increasingly important throughout the world due to global climate targets. As an agile cable manufacturer, Reka

delivers cables to customers quickly and reliably.

In Northern Europe, wind farms are often located in areas with very demanding weather conditions. The equipment and components of wind power plants need to withstand large temperature changes, subzero temperatures, humidity and UV radiation. This sets high standards for the quality and properties of cables used at wind farms.

Designed and tested to operate in northern conditions

Reka's DryRex Nordic Wind® product range cables are medium-voltage cables suitable for wind farm energy transmission, especially in northern conditions. The products are made of high quality and durable materials and have a long life span. Our premium DryRex Nordic Wind cables are designed, tested and manufactured in Finland with green energy.

Modern energy production purely from the wind

Wind farms located on the edge of large areas are ideally suited for renewable wind energy production. These are abundant both inland, close to fields and water, and in coastal coastal areas. The hills with varying terrain offer more good locations for wind farm placement.

In terms of investment costs, the construction of wind power plants in onshore and onshore

destinations is significantly more efficient compared to places designed offshore and on the sea or islands. This is also shown by the clear majority of Nordic wind power projects. They can be implemented reliably with Reka Cables' DryRex Nordic Wind wind cables.

DryRex Nordic Wind products are 36 kV medium voltage cables suitable for the power transmission network of wind power plants. They can also be placed directly on the ground in coastal areas and in embankments protruding from the shoreline of the coast. DryRex Nordic Wind cables are suitable for soil that is continuously wet.

Read more:

<https://www.rekacables.com/applications/wind-power/>

High-performance DryRex Nordic Wind cables for wind farms

1. High quality and durable materials
2. Developed for demanding northern conditions - Resistant to humidity, large temperature fluctuations and sunlight
3. Designed, tested and made in Finland



A cable partner true to its word

"I recommend Reka's cables to all contractors and clients."

Tuomas Mäkilä,
Head of Electrical Installation,
Infra Builders Oy



**A cable partner true to its word
– quality products and technical support**

A steadfast supplier

A wind farm of 21 modern turbines is under construction in Murtotuuli, Posio. The farm, harnessing the power of the north wind, is expected to be completed in 2023.

The project is managed by Infra Builders Oy, which is responsible for cabling, electric stations, the construction of a 110 kV line, roads and the foundations of the hoisting platforms.

Trust is earned

In 2021, Infra Builders constructed a total of approximately 70 turbines. Tuomas Mäkilä, Head of Electrical Installation at Infra Builders Oy, predicts continuous growth for the future. Reka was selected for the project on the basis of the quality delivered in previous cooperation. Reka is involved as a supplier in more than half of the wind farms constructed by Infra Builders. This reflects the solid trust between the companies.

"We have worked with Reka for a long time and learned the reliability of Reka's deliveries. The cables have always arrived at the site within the agreed schedule. We've never had any problems with Reka."

Tuomas Mäkilä, Head of Electrical Installation,
Infra Builders Oy

Service plays an important role

As usual, Reka's cable deliveries have been efficient and reliable in the Posio project. As the company has manufactured cables with a build-ahead approach, it has been able to reliably deliver the required amounts of the right type of cable to the site, even at a short notice. The operators and workers at the site appreciate the high-quality products as well as Reka's technical support.

"Reka's representatives are always available when needed and their services run smoothly. This helps us avoid mistakes and ensures efficient results!"

Samu Koivisto, Electrical Engineer,
Infra Builders Oy

The mutual trust was earned through years of functional cooperation. Reka's DryRex Nordic Wind products have served customers in northern conditions as efficiently as the company itself. Tuomas Mäkilä affirms that the cooperation with Reka will continue in the future.

Read more:
<https://www.rekacables.com/references/>

Sustainable solutions of Nordic nature

"This is an environmentally friendly project. We value quality, but our operations are also strongly guided by sustainability. We appreciate local, Finnish solutions, which is why we have chosen Reka as one of our partners."

**Tuomas Lapp, Project Manager,
WPD Finland Oy**



Reka's sustainability plays a big role in choosing a cable partner

Major wind power project

The Karhunnevkangas wind farm project of WPD Finland in Pyhäjoki proceeded to construction phase in the summer of 2020. The project area will hold 33 wind turbines, each with a capacity of 5.7 MW. The farm is assessed to produce 600–700 GWh of green electricity annually, corresponding to the annual consumption of 30,000 electrically heated detached houses.

Focusing on sustainability

The project's main criteria included cost-effective, ecological and local solutions. In addition to the quality and reliability of the product range, sustainability played a key role in selecting Reka as the partner for the project.

Challenging conditions

Medium-voltage cables from Reka's DryRex Nordic Wind product range were selected for the energy transfer of the wind turbines as they are highly applicable for the ever-changing weather conditions of the north. The equipment and components of wind power plants need to withstand large temperature changes, subzero temperatures, humidity and UV radiation.

The extreme conditions in Pyhäjoki set exceptionally high demands for the quality and characteristics of the cables. A total of 44 kilometres of cable trenches have been dug at the construction site. The same trenches will house both power cables and fibre-optic cables.

HSK Sähkö Ltd, the company in charge of the cabling project, is extremely satisfied with Reka's operations.

"The cable deliveries have been extremely functional and efficient. Everything has proceeded exactly as agreed."

Hannu Kauppi, CEO, HSK Sähkö Oy

Experts of northerly winds

Reka's DryRex Nordic Wind products have been designed, manufactured and tested for landscapes swept by northerly winds. Reka understands the Nordic way of working, the demands set by northern nature as well as the importance of environmentally friendly solutions to us, the people of the north.

Read more:
<https://www.rekacables.com/references/>



Towards carbon free future



Through concrete actions to solutions

The production of renewable energy has become increasingly important throughout the world due to global climate targets. Wind power makes it possible to reduce carbon dioxide emissions from energy production, save natural resources and gradually achieve a carbon-neutral future.

Finland aims for carbon neutrality by 2035, followed by carbon negativity. Achieving climate goals requires a significant investment in green electricity in industry, transport and heating. Onshore wind power is a cost-effective solution to meet the growth in electricity consumption. Wind power reduces CO2 emissions from energy production, saves natural resources and enables a carbon-neutral future.

Reka Cables' medium-voltage cables in the DryRex Nordic Wind product range, optimized for wind power plants, are tested and cost-effective alternatives for the transmission of electricity from wind power plants built in demanding northern conditions.

Reducing your own carbon footprint

Reka Cables wants to be an example in reducing the carbon footprint of its own operations. By implementing projects that reduce energy consumption and switching to clean energy, we have been able to reduce the carbon footprint of our own operations by more than 70% compared to 2019.

Concrete measures have included switching to green electricity, changing the lighting of the factories to LED lighting and installing solar power plants at the Riihimäki and Keuruu factories.

We also want to promote innovative CO2 reduction projects and, for the remaining emissions, we support transparent CO2 offset projects and thus achieved carbon neutrality for our own operations on 1 November 2021 (Scope 1 and 2). We will continue to work actively to improve energy efficiency and reduce emissions from our own operations.

Years of experience in the Nordics

Reka Cables has years of experience in wind farm projects in Finland, Sweden, Denmark and Norway. All our cables are designed, tested and manufactured in Finland with green electricity. Our production facilities are located in Finland; Hyvinkää, Keuruu and Riihimäki.

Reka Cables delivers DryRex Nordic Wind medium voltage cables for wind power projects quickly and reliably. Ask Reka Cables' sales for more information on reliable DryRex Nordic Wind wind cables.

Read more:

<https://www.rekacables.com/sustainability/>

Cutting-edge cable production

We offer a wide range of high-quality cables for our customers. Our voltage range extends from 75 V signal cables to 170 kV high voltage cables. Our products are developed in our research and development departments and tested in our own testing laboratories to ensure quality and durability.

With our customer-first orientation, we offer the best customer service and technical support to ensure that doing business with Reka is easy, and that each customer is provided with a suitable cable solution. We invest in installer-friendliness. Our cables easy to handle and strip making installations quick and ergonomic.

By working closely with the customer, we can ensure on-time deliveries, excellent installation properties and long-lasting products.

The Key Flag is a sign of Finnish work. The symbol can be awarded to a product that has been made in Finland.

Read more:
<https://www.rekacables.com/about-reka/>



REKA'S COMPREHENSIVE PRODUCT PORTFOLIO

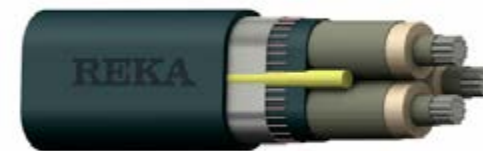
Reka's DryRex medium-voltage cables represent the highest quality insulation technology, which guarantees their extraordinary dependability. We focus not only on standard products, but also customised products requiring a specialised approach, such as client-specific cable structures and other cable solutions.

DryRex

Product examples for wind power energy transfer:

AXLJ-F TT 12/20 (24) kV 3-core

Medium voltage cables



[Learn more](#)



AXLJ-F TT 18/30 (36) kV 1-core

Medium voltage cables



[Learn more](#)



TSLF 18/30 (36) kV 1-core

Medium voltage cables



[Learn more](#)





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C A B L E S

Reka Cables has been at the forefront of the Finnish cable industry for more than half a century. We provide high-standard cable solutions for the purposes of construction, industry, energy distribution and sustainable energy production.

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