

World's biggest cable solution provider

With six unique plants all over Germany, we are ready to provide you with state-of-the-art products.



Prysmian
Group

Linking
the Future

Prysmian Group, Germany





Global means local

From the deepest oceans and mines to the farthest satellites orbiting Earth in Space, you'll find products made by us.

Prysmian Germany is a proud part of the world's largest global actor in the cable manufacturing business – Prysmian Group. But, no matter how large we are, we live and expand thanks to you, our local customers and business partners. In order to offer you tailor-made solutions we appreciate the importance of understanding local preconditions and your special needs. That's why we believe it's crucial to be present here in Germany, while being backed-up by the capacity the global Group possesses. This business approach has made us the world's largest producer of safe and reliable cables for the power and telecommunication industry.

One company, three brands

The corporate brand operates through three distinct commercial brands incorporating our products and solutions: Prysmian, Draka and General Cable. As three of the market's strongest brands worldwide, they have highly complementary products and services.

On the following pages we'll present our different German based Centres of Excellence, plants and the state-of-the-art cable solutions we develop to meet your every need. And, should we not have the solution you're looking for, we have the facilities, means and expertise to invent them.

**Made in
Germany**

Our offer

At Prysmian Group Germany we provide customers and communities worldwide with cable solutions based on state-of-the-art technology, consistent excellence in execution and in-depth understanding of the needs of an evolving market.

At our centres and plants in Germany we specialise in different segments within the cable industry. Here follows a mere selection of products illustrating the magnitude and width of our offer.



Cables for wind power applications

As a world leader in special cables for wind turbines, we can manufacture customised solution for the wind industry including all voltages and, if required, fully assembled cable sets.

Special products

- TOWERFLEX
- WINDFLEX
- WINDFLEX-S up to 66 kV
- TECWIND
- FELTOFLEX-RC



Photovoltaic cables

As a complete cable manufacturer we can deliver all the cables you need for your photovoltaic installation from our one-stop-shop.

Special products

- TECSUN (PV) H1Z2Z2-K 1.5 kV
- TECSUN (PV) S3Z2Z2-K 1.8/3 kV
- TECSUN (PV) – ALU



Mining & Tunnelling cables

The experience we have gained through centuries of cooperation with our customers contributes to the design and high quality of our mining and tunnelling cables. The range of products and solutions that we offer benefits significantly to a broad variety of specialised mining and tunnelling applications.

Special products

- PROTOMONT
- CORDAFLEX
- PROTOLON
- OPTOFLEX
- TENAX
- SUPROMONT
- FELTOFLEX



Crane cables

The high operational reliability and service life of our elastomeric cables have been proven in thousands of operations. As we continuously develop them to face future challenges, they will remain at the cutting edge and be utilized all over the world.

Special products

- CORDAFLEX
- PROTOLON
- PLANOFLEX
- TENAX
- RONDOFLEX
- TROMMELFLEX
- SPREADERFLEX
- FESTOONFLEX
- OPTOFLEX



Rolling stock cables

With an assortment ranging from Medium Voltage to instrumentation cables and high temperature designs we can provide you with all the rolling stock cables you need. The materials used have been specially developed to improve mechanical and thermal properties, fire performance and extended life.

Special products

- SIENOPYR
- MOVIS
- TENAX TRAIN-Plus
- PROTOLON



Railway infrastructure cables

Prysmian Group Germany can offer a full range of cables for all applications within the railway sector including several different services.

Our range includes cables for power supply, point machines, signal lights, axle counters and beacons, as well as wireless technology such as GSM-R and radio communication.





Cables for marine application

Within our vast marine range, you will find cables living up to demanding safety standards, fire resistance, increased data, power and optical transmission – all with enhanced supply chain performance.

Special products

- SIENOPYR-FR
- Cables in accordance with VG standard
- Cables in accordance with IEC standard



Cables for industrial applications

From Low Voltage (rubber sheathed, welding, heat resistant), over Medium Voltage and wires, to motor supply EMC cables and cables for waste, drinking and hot water – we deliver everything you need for your individual industrial application.



X-ray cables

State-of-the-art MRI scanners deserve equally exquisite, and complete, cable solutions. We always develop our solutions together with you to make sure the outcome meets all your specific needs. In addition we assemble our X-ray cables on your scanner to ensure they perform perfectly.



Cables for the automotive industry

As a global manufacturer of automotive wires and cables, Prysmian is a leading name in materials development, production technologies and logistics for the automotive sector. The company's outstanding product portfolio covers all mechanical, electrical and chemical requirements in cars, trucks and trains.



Multimedia and telecom cables

We're a world leader in cable systems and connectivity products for voice, video and data transmission. From optical fibre and optical and copper cables, to connectivity components and accessories, we're helping to link communities, continents and countries more closely than ever before.

Special products

- Draka UC
- Draka UCFUTURE
- Draka UCFIBRE
- Draka ToughCat
- Draka UC Home Cat.7
- OCEANline

Power Distribution cables

Prysmian Germany is your reliable destination for high performance power distribution cables. We are the premier manufacturer and produce electric cables to strict European standards. For example, the ingenious engineers at our R&D department in Schwerin have developed a new cable sheath compound which is way more resistant to fire than other Medium Voltage cables. As one of few manufacturers we can deliver MV cables tested and secured according to CPR requirements. In addition, we provide engineering services capable of fulfilling any power system specification or requirement and of delivering customised solutions.

Special products

- PROTODUR
- PROTOTHEN-X



Cables for construction and infrastructure

We offer a comprehensive range of market-leading cable and conduit products as well as corresponding applications for construction and infrastructure projects in all sectors. Because we can achieve greater flexibility, highest security standards and lower total operating costs, we are the preferred partner for trade, electrical crafts and construction companies all over the world.

Special products

- OZOFLEX
- SIENOPYR
- AFUMEX
- ECONYM



Special rubber cable services

At our Centres of Excellence in Neustadt near Coburg and Wuppertal we have an established setup of services for ultra-modern cable solutions. Examples of areas are hoisting gear, mining, marine engineering, industry and electro-medical equipment such as MRI and Computer Tomography. Here are some of the services that we can provide.

Customised system concept

At the beginning of a project we can advise you on selections and dimensions, on assembly configurations and termination methods. We can also supply you with all the necessary components and handle sub-projects in conjunction with our products.

Assembly and termination

We make up your special rubber cables (1–66 kV AC) ready for connection according to your requirements. We can also supply installation sets designed specifically for your requirements.

Harnessing

By harnessing all the rubber-insulated cables you need for your operation, the installation will be a lot easier – and faster. At our facilities or on location we can prepare your cables to be connected using plug-and-play solutions.

VLF-testing technology

With our portable VLF-Testing System, a proven voltage waveform recommended by DIN VDE standards, we can offer safe and reliable on-site examination of your cable infrastructure.

Repair and connection

In the event of major or minor damage we can repair your rubber-insulated cables either on site or in our factory.

Fibre-optic preassembly and connection

We develop and configurate fibre-optic cable systems for industrial applications, involving all types of plug connections. In addition, we possess all the customary fibre-optic measuring methods to make absolutely certain that we can meet all requirements.



Two of our Special Cables Centre of Excellence in the world are located in Germany

The first one is the Centre of Excellence in Neustadt, which accommodates the department for Research & Development for special cables. In these facilities you'll also find the sales department for contractors as well as industry and plant construction. The Centre specialises in rubber insulated power cables for the transmission of electrical energy and control signals as well as plastic insulated data transmission cables.

Specialities

- Rubber-insulated flexible cables
- Assembled X-ray cables
- Crane cables
- Marine cables
- Airport cables
- Wind and solar cables
- Copper data cables
- Rolling stock and high speed train cables
- Mining cables for underground and open cast
- Cables for special customer needs
- Cables used for drinking, waste and hot water

Address

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Neustadt near Coburg

Starting year: 1937

Employees: about 420

Yearly production: about 25,000 t

1983: The first power cable with integrated optical fibres was developed in Neustadt.

1998: A new generation of compound was invented here, optimising wall thickness of cables up to 30%.

2013: Intelligent cables able to feel stress and strain using an integrated sensor was introduced in Neustadt.

Wuppertal

Starting year: 1874

Employees: about 345

Yearly production: about 17,000 t

1935: First production of cables with plastic sheath (German-wide), approved 1954 by VDE as NYY.

1955: Germany's first producer of insulated special cables with Teflon FEP.

2018: First order for 66 kV cable sets (in total 805) for East Anglia and offshore project Bay State.





The second of our Centre of Excellence for special cables is located in Wuppertal where you'll find the Research & Development department for energy and automotive cables. At the plant we have major focus on cable solutions for motor vehicles, wind power plants, airplanes, high-speed trains, crane systems, container port terminals, mining and tunnelling.

Specialities

- Automotive cables for all temperature classes (-40 °C to +280 °C) and application fields for car manufacturing
- Cables and systems for wind energy, including assembly and C-part management
- Standard and harmonised rubber cables
- Special rubber cables for High Voltage and Medium Voltage for mining as well as warehouses and material handling applications
- Submersible motor cables used for drinking, waste and hot water
- Flexible cables up to 150 kV specially designed for open sea transformer platforms (e.g. Feltoflex RC)

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Where groundbreaking networks are born

The Centre of Excellence in Nürnberg accommodates two departments: Draka Comteq, which includes the Research & Development division for the business unit Multimedia & Specials, and Draka Service. At the plant we mainly manufacture halogen-free and flame-retardant plastic-insulated copper cables for which the customers can choose outer sheaths from a wide selection of plastics and colours.

Specialities

- Data transmission cables
- Coaxial cables
- Special cables

Services

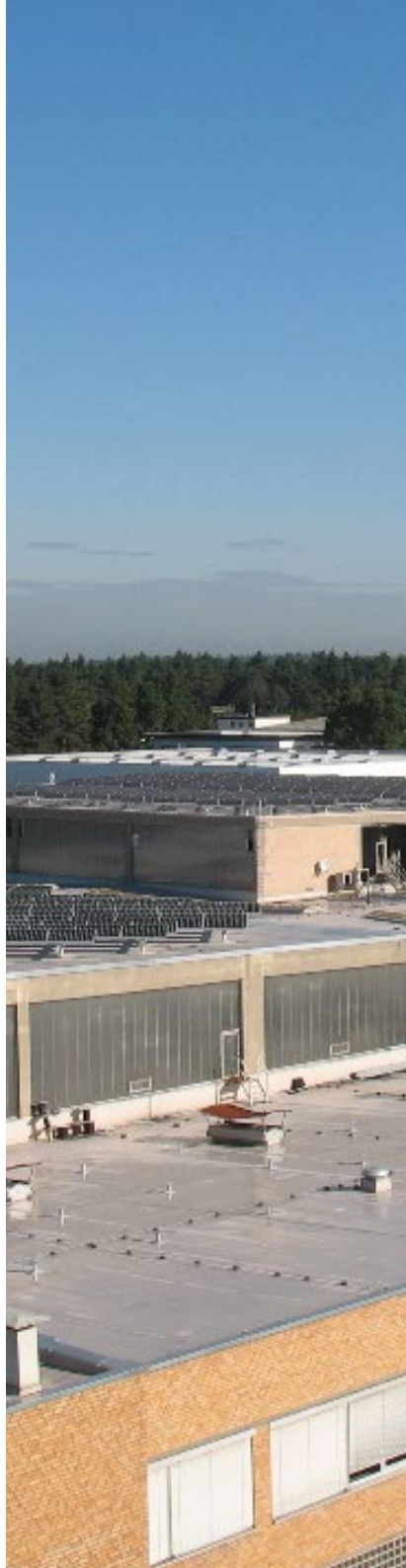
- Planning, construction, mounting and commissioning of mobile communication infrastructure and photovoltaic installations
- Service, repair and maintenance of Low, Medium and High Voltage connections

Address

Draka Comteq Germany GmbH & Co. KG
Phone No.: +49 (0) 911 833 70

Draka Service GmbH
Phone No.: +49 (0) 911 833 7275

Wohlauerstraße 15, 90475 Nürnberg
E-mail: kontakt@prysmiangroup.com



Nürnberg

Starting year: 1958

Employees: about 240

Yearly production: about 170,000 km

Main supplier for the CERN particle accelerator, e.g. pulse cables for the control of electrons and particles.

Product range with over 3,000 items.

Main supplier of multipair data cables within the Prysmian Group.



Schwerin

Starting year: 1960

Employees: about 235

Yearly production: about 97,000 t

2000: Launching the new product ECO NYM 500 without lead for the stabilisation of PVC compound.

2009: Manufacturing of Aluminium Medium Voltage cables with a cross section of 1000 mm^2 (AFUMEX PLUS 1000).





One of the world's largest E&I plants

The Research & Development department for energy cables is located at the Centre of Excellence in Schwerin. At this location we also manufacture cables for Low and Medium Voltage installation, PVC compounds and rubber filling compounds.

Specialities

- PVC and XLPE insulated Low Voltage cables
- XLPE insulated Medium Voltage cables
- Installation and house wiring cables
- Halogen-free with improved fire behaviour
- Marine cables for data transmission, instrumentation and power as well as control for shipboard and offshore marine applications
- PVC compounds and rubber filling compounds

Address

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Superior submarine cable solutions

At the Norddeutsche Seekabelwerke (NSW) Competence Centre in Nordenham we develop and manufacture repeaterless and repeatered fibre optic submarine cable systems. Another specialty are aerial cable systems, custom-made underwater cables for the offshore industry and submarine HV and MV AC energy cables for the offshore wind industry.

Specialities

- Fibre optic submarine telecom cables up to 144 fibres and 8000 m water depth
- Submarine energy cables from 10 – 270 kV, 30 – 1600 mm² insulated with XLPE and with multiple armouring layers
- Aerial cables with central aluminium buffer tube and multiple armouring layers
- Customised umbilicals for static and highly dynamic applications
- Winding wires for submersible motors with ultra-high stress insulation

Services

- Implementation of turnkey submarine cable systems for telecom and energy cables worldwide

Address

Norddeutsche Seekabelwerke GmbH NSW
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E-mail: info@nsw.com



An aerial photograph of Nordenham, Germany, showing a dense industrial area with large brick buildings and a harbor. A prominent red and white lighthouse stands in the water. The background features a residential area with red-roofed houses and green fields under a clear sky.

Nordenham

Starting year: 1899

Employees: about 470

Yearly production: 10,042 t

1904: NSW installed its first significant submarine telecommunication cable of approximately 8,000 kilometres.

Berlin - Köpenick

Starting year: 1859

Employees: about 95

Yearly production: 6,000 t

1998: Development of the first plastic insulated wide area cable (replacement for paper cables).

1999: Worldwide the first developer for rail foot cables.

2009: Worldwide first production of combined signaling cables.





State-of-the-art signaling cables for modern railway infrastructure

At the cable plant in Berlin-Köpenick we mainly manufacture halogen-free and flame-retardant plastic insulated cables. In the portfolio you'll find cables for the transmission of electrical energy and control signals as well as cables for signal and data transmission.

Specialities

- Railway signal cables
- Long distance cables
- Telecommunication cables
- Automation and data cables
- Special indoor cables
- Special mining cables

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