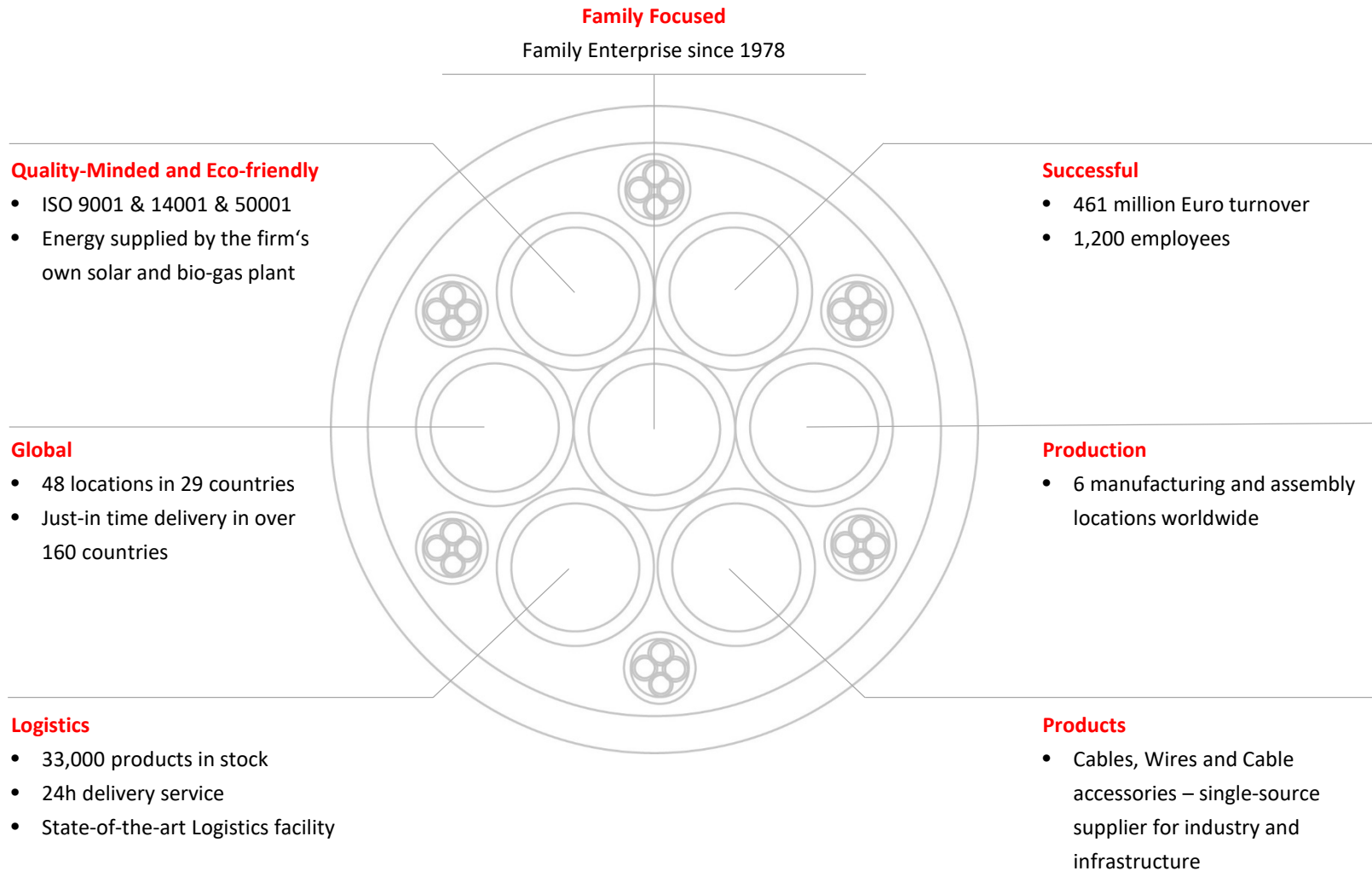




Company Presentation | 2018

■ What makes us unique!





■ Profile

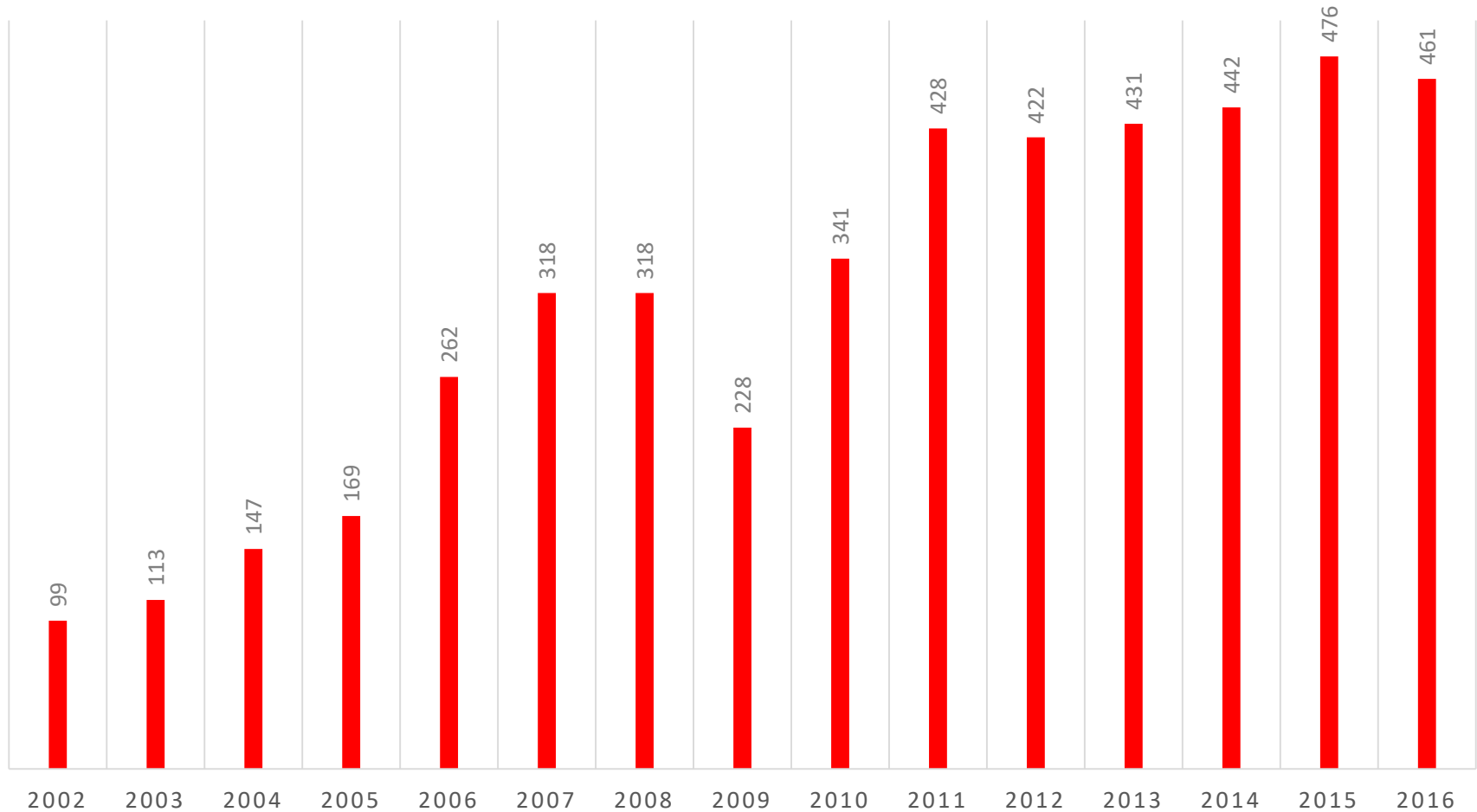
Founded	1. April 1978
Chief Executive	Helmut Luksch, Marc Luksch, Andreas Hoppe
Sales 2015	€ 461 Mio.
Share capital	€ 5 Mio.
Headquarters	Hemmingen / Stuttgart
Branches (National)	Berlin · Chemnitz · Hamburg · Oberhausen · Windsbach
Branches (International)	Austria · Belgium · Brazil · Bulgaria · Canada · China · Czech Republic · France · India Indonesia · Italy · Malaysia · Mexico · Netherlands · Poland · Portugal · Russia Singapore · South Africa · South Korea · Sweden · Switzerland · Thailand · Turkey UAE · United Kingdom · USA · Vietnam
Subsidiaries and Investments	Kabelmat® Wickeltechnik GmbH (Glatten, Germany) Robotec Systems GmbH (Kamp-Lintfort, Germany) Kabelwerk Meißen Wilhelm Balzer GmbH (Meißen, Germany)
Employees	> 1,200

■ History

- 1978** HELUKABEL® GmbH founded
- 1980** Nationwide Sales Force established
- 1984** Exporting initiated
- 1988** Manufacturing facility opened in Windsbach / Germany
- 1989** Established branches in new German States (East Germany)
- 1990** HELUKABEL® Sweden founded
- 1994** HELUKABEL® Switzerland founded
- 1997** Manufacturing capacity doubled
- 1998** HELUKABEL® France founded
- 2000** HELUKABEL® Netherlands and Poland founded
- 2001** New Logistics Centre opened
- 2002** HELUKABEL® Czech Republic, Singapore, China and South Korea founded
- 2003** HELUKABEL® India founded
- 2005** HELUKABEL® Turkey and Thailand founded
- 2006** HELUKABEL® Russia founded
- 2007** HELUKABEL® USA and Italy founded
- 2008** Extension of the manufacturing capacity and HELUKABEL® Belgium founded
- 2009** Acquisition of Kabelmat® GmbH / Glatten
- 2010** HELUKABEL® South Africa and Malaysia founded
- 2012** Acquisition of Robotec Systems GmbH / Kamp-Lintfort
Majority participation of Kabelwerk Meißen Wilhelm Balzer GmbH
- 2013** HELUKABEL® Canada, Indonesia, United Kingdom founded;
United Arab Emirates representation founded;
Opening of expanded High-Technology-Logistic-Centre at the
Headquarter in Hemmingen
- 2014** HELUKABEL® Austria founded
- 2015** Extension of the production facility in Windsbach / Germany
- 2016** HELUKABEL® Vietnam, Portugal, Brasil and Mexico founded
- 2017** HELUKABEL® Bulgaria founded



■ Sales HELUKABEL® Group – in Mio. €



Company

Production & Development

Logistics

Products

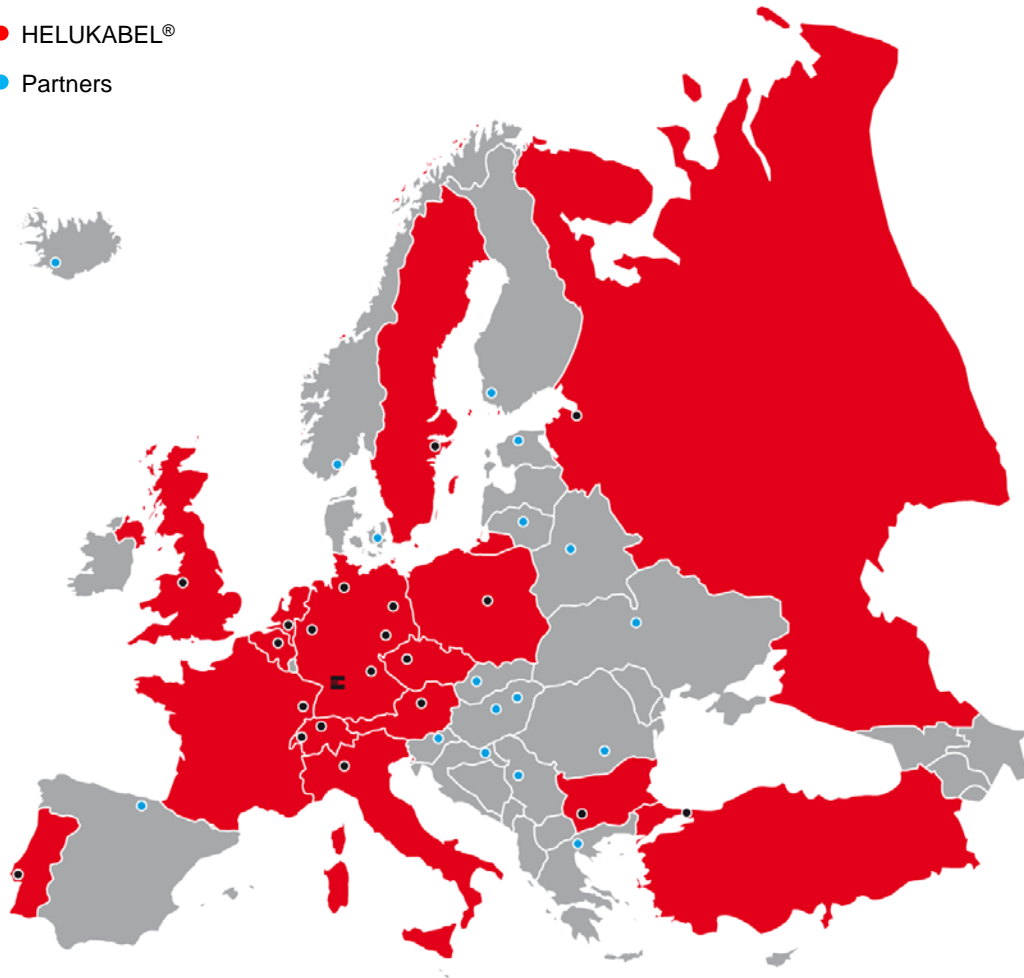
Services

References



■ HELUKABEL® Europe

- HELUKABEL®
- Partners



HELUKABEL - Germany

Hemmingen, Berlin, Chemnitz, Oberhausen, Hamburg, Windsbach

HELUKABEL - Europe

Austria, Belgium, Bulgaria, Czech Republic, France, Italy, Netherlands, Poland, Portugal, Russia, Sweden, Switzerland, Turkey, United Kingdom

HELUKABEL - Partners

Belarus, Croatia, Denmark, Estonia, Estland, Iceland, Finland, Greece, Hungary, Lithuania, Norway, Romania, Serbia, Slovakia, Slovenia, Spain, Ukraine

Company

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■ HELUKABEL® Global Sites

- HELUKABEL®
- Partners



HELUKABEL - Worldwide

Austria, Belgium, Brazil, Bulgaria, Canada, China, Czech Republic, France, Germany, India, Indonesia, Italy, Malaysia, Mexico, Netherlands, Poland, Portugal, Russia, Singapore, South Africa, South Korea, Sweden, Switzerland, Thailand, Turkey, UAE, United Kingdom, USA, Vietnam

Partner - Worldwide

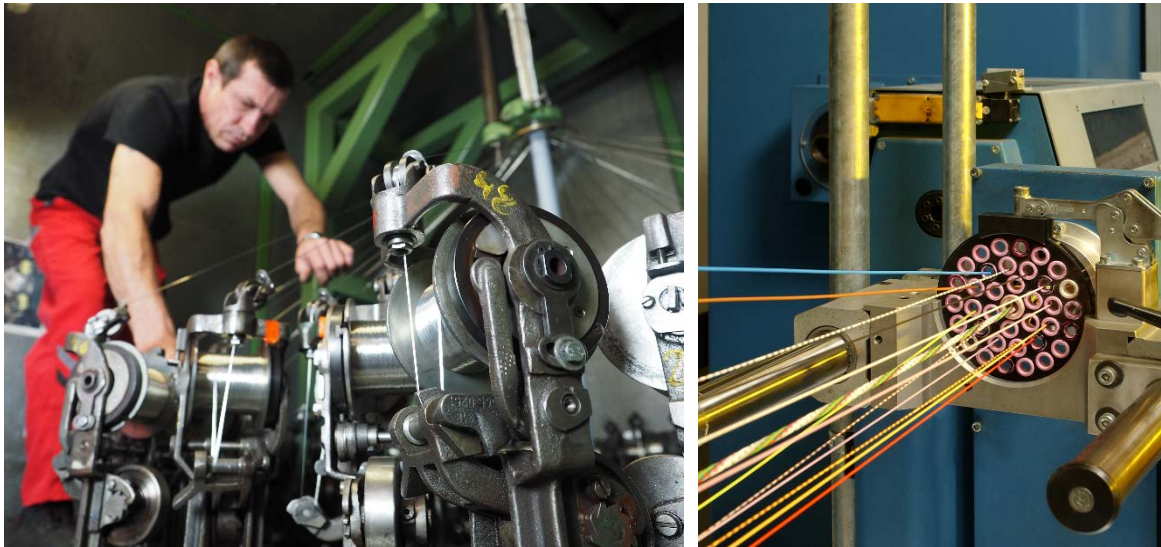
Australia, Belarus, Chile, Denmark, Estonia, Finland, Greece, Hungary, Iceland, Israel, Japan, Kroatia, Lithuania, Nigeria, Norway, Philippines, Romania, Serbia, Slovakia, Slovenia, Spain, Taiwan, Ukraine



■ Production site Germany

In our two facilities, we manufacture using the latest production methods. We produce more than 1 million conductor kilometers annually (that's 25 times around the globe!). More than 300 employees are specialized in making high-quality standard and specialty cables.

Using the latest in cable technology, and cooperating with international testing institutes, makes us an innovation leader in the areas of automation, data technology, building management systems, and renewable energy.



Our production in numbers

- 50,000 m² production facility
- 26 extruder facilities
- 20 stranding machines
- 60 braiding machines
- Cables & Wires from 0.05 to 1,000 mm²
- According to:
VDE, EAC, UL, CSA, HAR, CCC,
Germanischer Lloyd, TÜV or according to
customer specifications



■ Production site China

Produced for the Asian market

HELUKABEL® operates a new production facility in Taicang (near Shanghai) in China. 7,000 sqm of production space is ready to produce cables and wires for the Asian market.

Focus will be on quality flexible and highly flexible cables and wires, manufactured according to Chinese and international standards. Adjustable manufacturing cells that allow for short delivery times, and the proximity to HELUKABEL's logistics centre, offer essential advantages for executing large projects in the Asian market.



Company

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■ Research & Development

We develop optimal cable solutions for our customers, focusing on products for continuous-flex applications with a high degree of vertical integration. Extreme chemical, electrical and mechanical durability, small bending radii as well as exceptionally long service lives are part of the requirements of our customers.

New products are tested in a state-of-the-art research and development centre to ensure their suitability for practical application and readiness for series production. By randomly inspecting samples during production, we make sure that our products meet the highest quality standards.



Out test facilities

- Test tower for wind power cables
- Drag chain test equipment
(1m, 3 m, 5 m, 6 m, 18 m, 20 m and 40 m accelerations of up to 50 m/ s²; speeds of up to 10 m/s)
- Fire resistance testing equipment
- Scrape-off equipment
- Test equipment for bending and torsion requirements
- Aging ovens in accordance to UL, VDE, CSA, HAR, TÜV, CCC

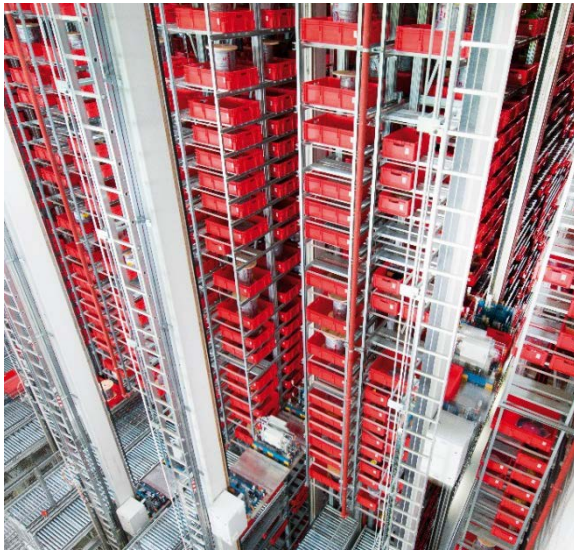


■ Logistics Centre Industry

HELUKABEL® has Europe's largest and most modern distribution center for cables and wires.

The majority of the 33,000 products are stocked in the 160,000 m² storage area in Hemmingen/Stuttgart.

In our new logistics center we use state-of-the-art material handling and control technology, which enables us to pack thousands of "JIT" orders every day and ship them to customers worldwide.



Our Logistics centre in numbers

- 40,500 pallet locations
16 aisles with 16 storage and retrieval device
- 36,800 locations in small-parts store,
Capacity: 1,000 bins per hour
- 670 locations in the heavy-load storage area
with max. reels of 4,000 kg and 2.2 m ϕ
- 2 km conveyer section for pallets
- Conveyer connects direct to the cable-cutting machines
- Manual process reduced to merely packing
- Building: 380 m length, 60 m width, 24 m height



■ Logistics Centre - Infrastructure

In Berlin, HELUKABEL® manages the central warehouse location for earth and medium voltage cables, as well as other infrastructure cables.

Our 5,000 m² indoor and 50,000 m² outdoor storage areas allows us to rapidly deliver cables from 1-30 kV to construction sites and major project locations.

Our patented heavy-duty cutting machines, which can support up to 10 tons in weight, are the largest of their type in Germany.



Our Berlin warehouse in numbers

- 11,000 cable drums in stock
- Mechanically processing of drums up to 2.80 m Ø and 10 t weight
- 10 drum rewinding machines
- Cable-cutting with state-of-the-art 1,200 mm² cutting tools
- 24h delivery within Germany possible

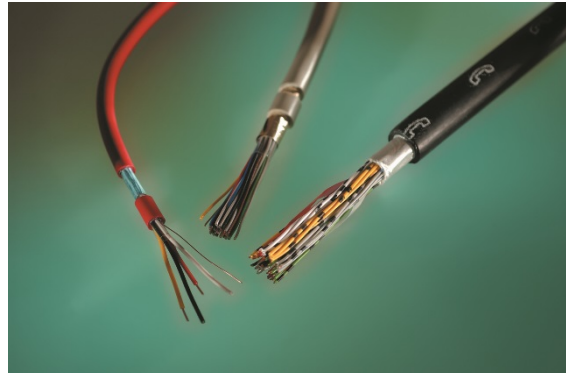


HELUKABEL®

■ Cable, Wires & Accessories



Industrial Cables & Wires



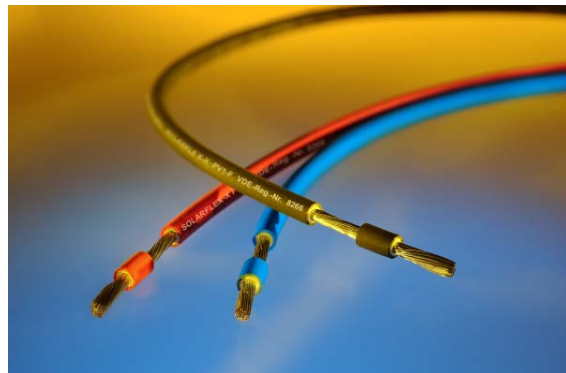
Infrastructure Cables & Wires



Data, Network & Bus Technology



Media Technology



Custom Cables



Cable Accessories

Company

Production & Development

Logistics

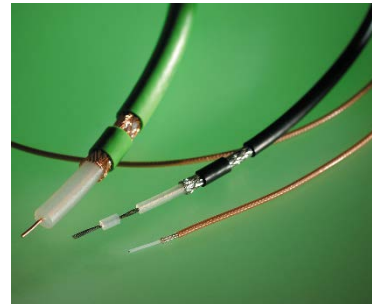
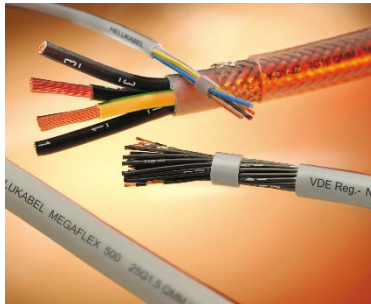
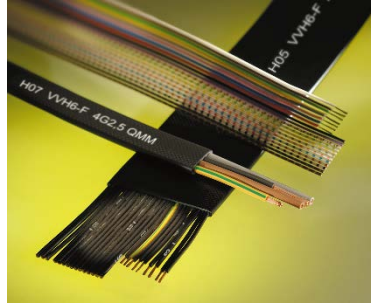
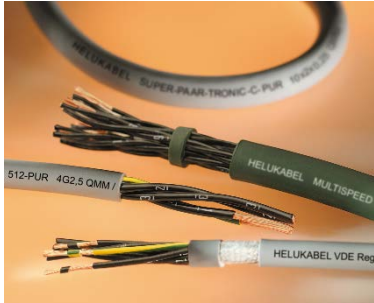
Products

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References



■ Industrial Cables & Wires



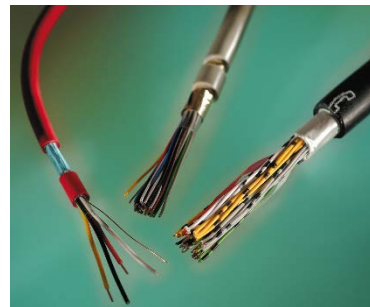
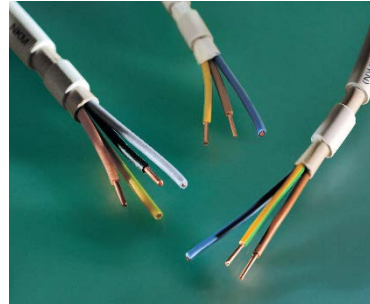
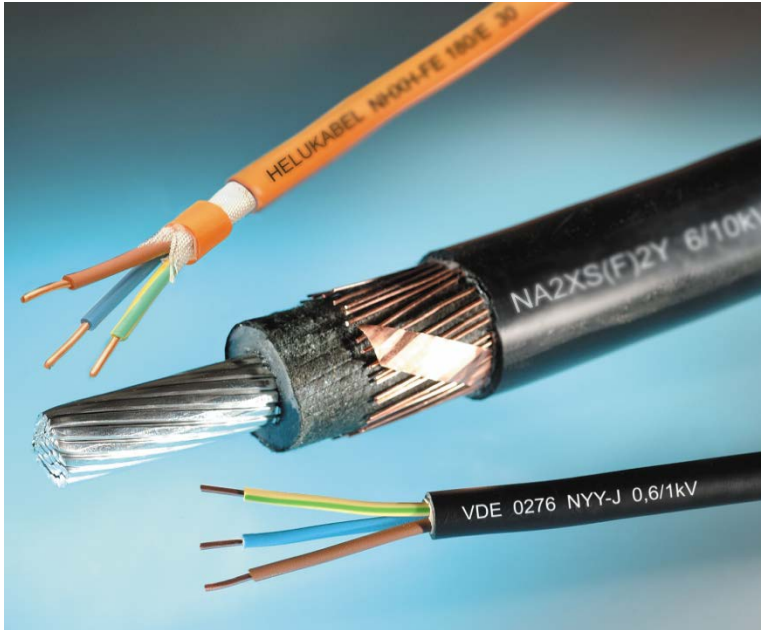
HELUKABEL delivers cables and wires for virtually any industrial application:

- Flexible control cables
- Data and computer cables
- Heat-resistant cables
- Cables according to International Approvals
- Coaxial cables
- Flat & ribbon cables
- Motor, servo and feedback cables
- Drag chain cables
- All-weather & rubber cables
- Trailing cables
- Robot cables
- Water-resistant cables
- Single Conductors
- Compensating cables



HELUKABEL®

■ Infrastructure Cables & Wires



HELUKABEL® is an international supplier of infrastructure cables and wires. We supply our domestic and international customers with power, medium-voltage and infrastructure cables from our central, Berlin-based storage warehouse.

Our standard program consists of:

- Installation cables
- Fire warning cables
- Telephone cables
- Power cables
- Security cables
- Medium-voltage cables

Company

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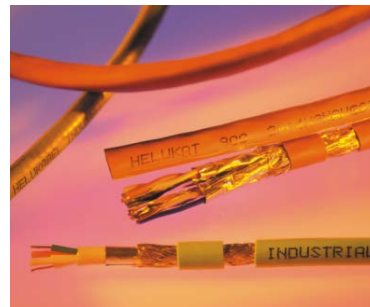
Services

References



HELUKABEL®

■ Data, Network & Bus Technology



HELUKABEL® offers an entire range of data, network & bus technology. We offer customer analysis, planning, cables and accessories supply, installation, commissioning and final inspection, all from one source.

Our product segments cover:

- Fibre Optic cables (GOF, HCS, POF)
- Copper Data cables (Categorie 5 to 8)
- Industrial Ethernet
- Bus Cables
- Copper Connecting Equipment (Office + Industry)
- Fibre Optic Connecting Equipment (Office + Industry)
- Network System Cabinets
- Splicing Systems and Measuring Equipment
- Active Components
- Product Training

HELUKAT®

HELUCOM®

HELUKAT®
CONNECTING SYSTEMS

HELUCOM®
CONNECTING SYSTEMS

HELUKAT®
CONNECTING SYSTEMS INDUSTRY

HELUCOM®
CONNECTING SYSTEMS INDUSTRY

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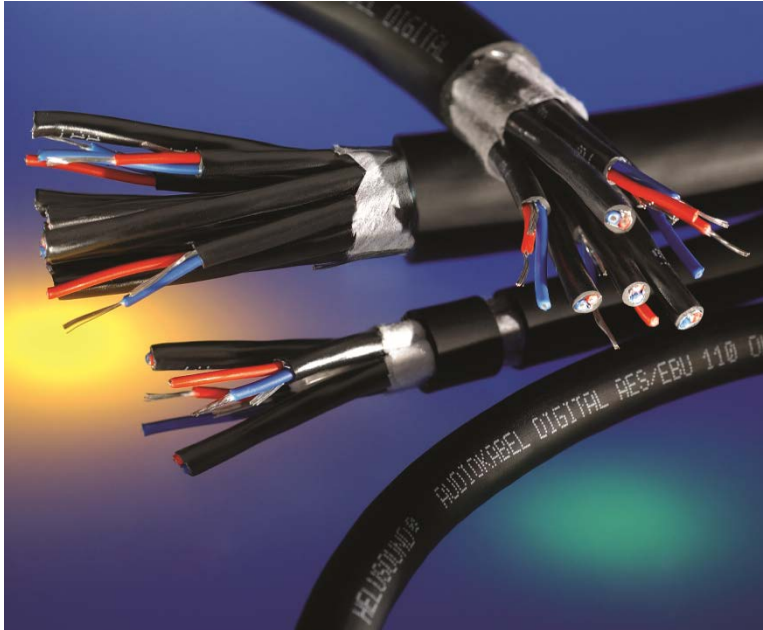
Services

References



HELUKABEL®

■ Media Technology



Our cables have ensured perfect performances on Europe's leading musical and theatrical stages. They are also used in professional television, radio and studio equipment.

Our media technology product range encompasses cables for indoor and outdoor use. It guarantees high transmission quality for fixed installations or for moving applications.

Our comprehensive range of products includes:

- AES/EBU audio cables
- DMX cables
- Loudspeaker cables
- Instrument cables
- Microphone cables
- Video cables
- Load cables
- Connection equipment
- Special cables as per your requirements

HELULIGHT

HELUSOUND

HELUEVENT®

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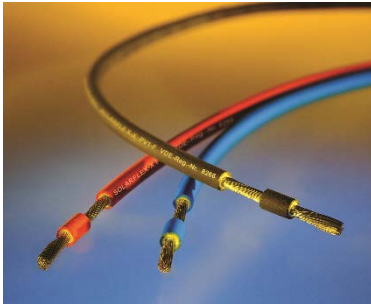
References



■ Custom Cables

HELUKABEL® manufactures cables and wires according to individual customer needs and application-specific requirements. Cable construction and materials are chosen according to application specifications, taking into consideration parameters like the operating temperature range, ability to withstand tensile and torsional stress, required flexing cycles, winding capabilities and chemical resistances.

Moreover, various shielding techniques, strain relief solutions made of aramid or steel ropes, components like steel or flat wire armouring, combinations of conductor cross sections and hybrid constructions including fibre-optic components as well as hoses for diverse media complete our special cable design.



Examples

- Robotic and automation hybrid cables
- Construction crane and lift trailing cables
- Sensor, actuator and distribution cables
- Drag chain cables for highly dynamic applications
- Mud-resistant cables for the oil and offshore industries
- Temperature-resistant cables for traffic engineering
- Industry 4.0 data cables



■ Pre-Assembled Cables

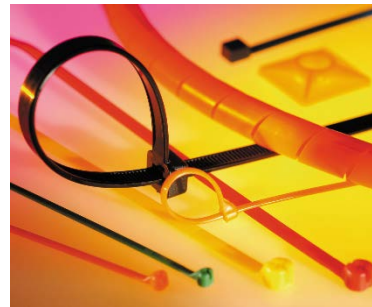
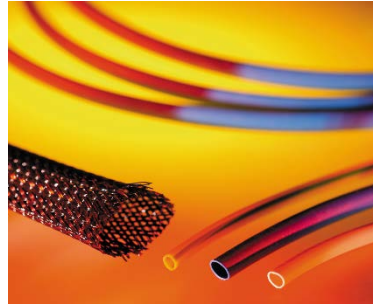


Today, more and more users are installing prefabricated and pre-assembled cables and wires. HELUKABEL® recognised this trend early on to be able to offer a complete range of pre-assembled cables and wires. Other assemblies according to custom requirements are also available.

The versatility of use, combined with multiple plug and connection types give our customers both economical and simple solutions to their problems. The easy and effective installation advantage of pre-assembled cables is enhanced by our wealth of experience.



■ Cable Accessories



As a significant addition to the extensive program of cables and wires, HELUKABEL® provides cable accessories according to the latest guidelines and standards.

Our cable accessories program includes:

- Cable glands
- Cable protection tube systems
- Drag and guidance chains
- Circular connectors
- Insulation and heatshrink sleeving
- Termination and connecting sleeves
- Bundling, binding and attaching
- Identification and marking
- Terminals and cable lugs
- Assembly tools



■ Kabelmat® Wickeltechnik

Kabelmat's product portfolio includes virtually every tool and machine needed to store, wind, hang and cut cables and wires, steel cables, pipes, hoses and profiles.

Kabelmat's products are in use worldwide and their capabilities include winding cable and wire from and to drums, as well as from drums to rings.



Kabelmat offers:

- Project planning and engineering
- Manufacturing and final assembly
- Manual winding systems
- Measuring systems
- Machine winding systems
- Warehouse systems
- Accessories
- Customer specific solutions
- Servicing / machine care

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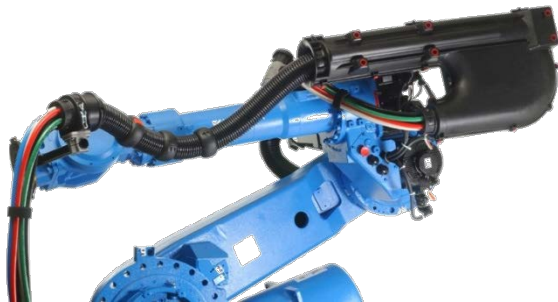
References



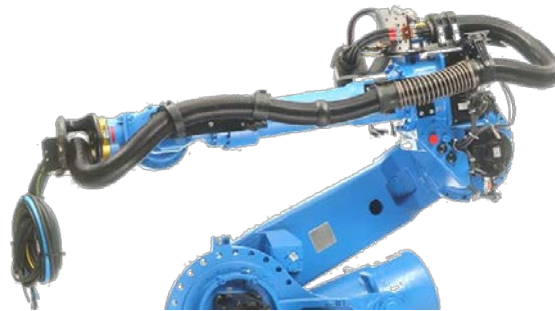
■ Robotec Systems GmbH

Robotec Systems GmbH, based in Kamp-Lintfort Germany, is one of Europe's leading companies in robotics systems. The product line includes hose packs and attachment systems, special lines for robots, pre-assembled lines, driver technology, controllers for measurement technology, as well as media systems such as air and water hoses.

From prototyping and development, to final assembly and on-site services, Robotec Systems is your trusted partner.



Solution 1: Energy conduit system with R-TecBox



Solution 2: Energy conduit system with spring guide

ROBOTEC
SYSTEMS



Our services:

- Design
- Development
- Prototyping
- Documentation
- Installation/optimisation
- Repair/maintenance
- Spare parts

Company

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■ Quality & Environmental principles

HELUKABEL® has a high commitment to quality and the environment. For this reason the executive board has introduced an integrated management system for quality and the environment based on DIN EN ISO 9001, DIN EN ISO 14001 and DIN EN ISO 50001 standards.

HELUKABEL® GmbH's quality and environmental policy is oriented to meet market needs and fulfill customer requirements, as well as corporate environmental protection. Our standard is customer satisfaction and trust. Indicators of this are the economic success of the enterprise and long-standing customer relationships.



Fulfillment of our quality and environmental principles is an obligation and ongoing task of the executive board and each individual employee. Our high standards are expressed in the following criteria:

- Environment
- Employees
- Suppliers
- Conduct
- Quality
- Objectives
- Approach
- Continuous improvement

www.helukabel.com/certificates



■ Global Approvals

Products of HELUKABEL® comply the following approvals:

Belgium	Comité Electrotechnique Belge
China	China Compulsory Certification (CCC)
Denmark	Danmarks Elektriske Materialkontroll (DEMKO)
Germany	VDE-Prüfstelle (Verband Deutscher Elektrotechniker e.V.)
Germany	Fraunhofer Institut, Produktionstechnik und Automatisierung
Europe	Communauté Européenne
Finland	FIMKO LTD
France	Union Technique de l'Electricité
United Kingdom	BSI British Standards Institution (Zeichenvergabestelle)
Italy	IMQ Istituto Italiano de Marchio Qualità
Canada	Canadian Standards Association (CSA)
Netherlands	Naamloze Vennootschap tot Keuring van Electrotechnische Materialen (KEMA)
Norway	Norges Elektriske Materiellkontroll (NEMKO)
Austria	Österreichischer Verband für Elektrotechnik (Zeichenvergabestelle)
Russia	GOST-R Zertifizierung (SGS)
Sweden	Svenska Elektriska Materielkontrollanstalten (SEMKO)
Switzerland	Schweizerischer Elektronischer Verein (SEV)
USA	Underwriters Laboratories Inc. (UL)





■ References



Plant Construction

ABB, BEA, Baumüller, Cegelec, Siemens, Imtech, Actemium, Uhde, GEA-Group, Areva, Kuka, Linde, Controlmatic, Dürr, Takraf, Elpro, Alstrom

Computer Industry

IBM, HP, Motorola, Intel, NEC, Hitachi, Daewoo, LG-Electronic, Samsung, Infineon, ASML, M+W, Alcatel-Lucent

Machinery Industry

Thyssen, Krones, Homag, Schuler, Georg Fischer, Cincinnati Milacron, Mikron, DMG, Comau, Müller-Martini, WEG, MAG, Anthon, Bühler, Voith, BHS, Liebherr, Andritz, Heller, Bosch, Grob, Trumpf, Monforts, Kautex, Arburg

Automotive Industry

Daimler, BMW, Volkswagen, Ford, Opel, Fiat, Porsche, Volvo, GM, Audi, Honda, Toyota, Renault, Skoda, KIA, Hyundai, Magna, Tata

Chemical Industry

BASF, Hoechst, Bayer, Rhone Poulenc, Dynamit, Nobel, Chem. Werke Hüls, Wacker Petrochemie, Dow Chemical, Shell, BP, Sabec

Energy Industry / Wind Industry

RWE, Eon, Vattenfall, Enercon, GE Wind, Siemens, Suzlon, Acciona, Impsa, E.N.O, Vensys, Nordex, 2B Energy, Skywind, Prokon, Schütz, Impsa, Leitwind, Regen-Powertech, Senvion, Adwen, Garuda, RRB, Unison, FWT, NU Power, Alstom

Food & Beverage

Nestlé, Unilever, Danone, Coca-Cola, Pepsi, Heineken, Becks, Tsingtao, Budweiser, Big Dutchman, Guinness

Automation/Electronic/Sensors:

MURR, ESCHA, Phoenix Contact, Rockwell, Woodhead, Belden, Harting, Fanuc, Euchner, Siemens, Bosch-Indramat, Schneider Electric, SEW Eurodrive

Electrical Wholesale

Sämtliche lokale und überregionale Anbieter inkl. internationaler Partner

Steel Industry

Thyssen-Krupp, Hoogeveens, BAO-Steel, Sidmar, Arbed, Eko-Stahl, Arcelor Mittal, Posco, Salzgitter, Essar-Steel

Transportation

DB, Bombardier, Stadler, Lufthansa, Airbus, Carotec, Scheuerle, KAMAG, Cavotec, Leitner, Meyer-Werft, Hyundai Heavy Industries

Weitere Referenzen finden Sie unter: www.helukabel.de/references

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References

■ HELUKABEL® - What else!



Helmut Luksch,
Chief Executive Officer HELUKABEL® GmbH

Vast array of products

- 0.055 mm² to 1,000 mm²
- Multiple approvals, certificates and insulation materials
- 30,000+ products in stock

Custom cable manufacturing available

- No job is impossible
- Solutions for every application

Own Production, Research & Development Centrum

- In Germany & Far East on a production area of around 50,000 m²
- Research & Development Centrum with test tower for wind power cables, drag chain, fire resistance testing and scrape-off equipment

National and international delivery

- We deliver on time from over 48 locations in 160 countries worldwide
- 24h delivery service thanks to a modern logistic concept

Dedicated Customer Service

- HELUKABEL® representatives and personalised service always within reach

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What can we do for you?

We will be pleased to assist you!

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