HELUKABEL® GmbH

Your One-Stop Solution Provider
Cables, wires and accessories

helukabel.com
PRODUCTION

We specialise in producing high-quality cables and wires.

At our two German plants, we produce around one million kilometres of wire each year using the most modern production equipment. That's enough wire to go around the Earth 25 times. We drive innovation in the automation, data technology, building technology and renewable energy industries by using the newest materials, constantly optimising our production methods, and collaborating with international testing institutes. We offer a wide range of German and international certifications such as VDE, CE, TÜV, HAR, UL, CSA, EAC, CCC and Germanischer Lloyd. HELUKABEL® has also been manufacturing in the Chinese city of Taicang (Shanghai), since 2014. At this facility, we produce high-quality, flexible and continuous-flex cables and wires, in accordance with Chinese and international standards, mainly for the Asian market.

Key production figures:

• Cables and wires measuring between 0.05 mm² and 1,000 mm²
• 40,000 m² production area
• 23 extrusion systems
• 19 stranding machines
• 50 braiding machines

RESEARCH AND DEVELOPMENT

Cables and wires – Made in Germany.

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.

Our testing facilities:

• Drag chain test systems with lengths of 1 m, 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
• Bending and torsion testing systems
• Torsion test tower for wind turbine cables
• Fire testing systems
• Abrasion testing systems
LOGISTICS CENTRE
Redefining logistics in the cable industry.

HELUKABEL® operates Europe’s largest and most modern distribution centre for cables and wires at its headquarters in Hemmingen, Germany (outside of Stuttgart). A majority of the 33,000 stock items are stored in a fully automated warehouse offering more than 160,000 m² of space. The central warehouse for underground, medium-voltage and other infrastructure cables is in Neuenhagen, Germany, situated east of Berlin.

**Hemmingen/Stuttgart facility**
- 40,500 pallet bays with drum weights up to 1,500 kg
- 670 storage spaces in a heavy-load warehouse with drum weights up to 4,000 kg
- 36,800 container spaces for cable rings and accessories

**Neuenhagen/Berlin facility**
- 5,000 m² of warehouse and 50,000 m² of outdoor storage space
- 11,000 heavy-duty cable drums in stock
- Automated processing of drums measuring up to 2.80 m high and weighing up to 10 tons
- 10 rewinding machines

Additional logistics and sales locations in 29 countries.

CABLE MANAGEMENT
Focus on your business and we’ll take care of storage and delivery according to your needs.

**Your benefits:**
- Reduce your stock volumes and minimise your capital commitment
- Use your staging areas and resources for other tasks
- Avoid stock overages
- Cable and wire delivery with the required lengths and markings, ready for further processing
- Supply reliability thanks to defined safety stocks
REFERENCES

Transportation
Cavotec Fladung

This 400-hertz cable powers aircrafts on the ground once the engines are switched off. The reeling cable is in continuous use at airports all over the world and withstands blistering heat, icy cold and rugged handling on the tarmac thanks to a very robust outer sheath.

Material Handling
Liebherr

Liebherr relies on electrical drives to power its largest material handling machines. The cabling for the LH 150 EC High Rise handling machine’s drive system requires narrow bending radii as well as a high resistance to UV radiation, hydraulic oil and strong vibrations.

Mechanical Engineering
Homag Group

The Homag Group uses flexible and high-flex cables in all types of machines. In cooperation with a local assembly house, ready-to-install cable sets are delivered just-in-time into the production facilities.

Food and Beverage
Krombacher Brewery

Germany’s largest private brewery uses a crush- and shard-resistant fibre-optic cable with a protective steel armour to connect its various stations within the bottling plant, logistics centre and administration buildings and enable an uninterrupted flow of data.

Automotive
Eisenmann

Multiple UL-approved data and control cables are installed in the most modern paint shops. The temperature and chemical resistant cable jacket allows several hundred thousand cars to be painted each year.

Robotics
BMW Group

It takes a robot 57 seconds to build one door for the BMW X1. Special torsion-resistant robot cables allow the production of 700,000 front and back doors each year.
INDUSTRIAL CABLES AND WIRES

An extensive product portfolio for a wide range of industries and applications.

Industrial cables and wires have always been part of our company’s core business. Every day, our products prove just how reliable they are in a wide range of applications worldwide. By establishing strategic competence centres, we can offer our customers specialised expertise and peer partners. Together, we drive innovation and set new standards.

Our comprehensive range of standard and warehouse products includes:

• Flexible control cables
• Data and computer cables
• Drag chain cables
• Motor, servo and feedback cables
• Heat-resistant cables
• All-weather and rubber cables
• Trailing cables
• Robot cables
• Flat and ribbon cables
• Single cores
• Coaxial cables
• Halogen-free cables
• International approved cables
• Photovoltaic cables
• Wind turbine cables

INFRASTRUCTURE CABLES AND WIRES

From storage to customer construction sites via direct delivery – on time and with short notice.

Our products for power supply, telecommunications and building technologies play a crucial role in supplying electricity to the public and providing uninterrupted data transmission. The high quality and reliability of our products guarantee peace of mind, making us a valued partner in Germany and abroad.

Our portfolio includes:

• Building wires
• Telecommunication and fibre optic cables
• Medium-voltage cables
• Fire alarm cables
• Underground cables
• Safety cables

You can find more information in our „Cables, Wires & Accessories“ catalogue.
DATA, NETWORK AND BUS TECHNOLOGY
HELUCOM® and HELUKAT® provide cabling for network infrastructures across entire companies.

HELUKABEL® offers a wide range of data, network and bus technology services, from expert selection analysis to supplying the right cables and accessories — all from one single source.

Products for network technology and automation:
- Fibre-optic cables
- Copper data cables
- Bus cables
- Network system cabinets
- Fibre-optic connection technology
- Copper connection technology
- Processing and measurement technology
- Active components

MEDIA TECHNOLOGY
Our HELUSOUND®, HELULIGHT® and HELUEVENT® brands guarantee perfect sound quality, extraordinary lighting effects, and outstanding image quality.

Leading musical and theatre stages in Europe have run smoothly for many years thanks to our cables. They are also used in professional television, radio and studio equipment as well as at large-scale events. Our media technology cable range includes cables for both indoor and outdoor use and guarantees high transmission quality in fixed installations as well as for mobile use.

Our comprehensive range of products includes:
- AES/EBU audio cables
- DMX cables
- Round and multi-core speaker cables
- Hybrid cables
- Multi-core cables
- Load cables
- Microphone cables
- State-of-the-art video cables
- Connection technology
- Halogen-free cables
- Custom cable solutions

Request a catalogue at: www.helukabel.com/publicationorder
**CABLE ACCESSORIES**

The logical addition to our range of cables.

Whether it’s to connect, attach or protect – it is necessary to have matching connection technology for optimal, long-term cable reliability. This is why we offer suitable accessories for our cables and wires. These are stored in over 36,800 container spaces in a fully automated small-parts warehouse for ex stock availability.

**Accessories include:**

- Cable glands
- Cable protection tube systems
- Drag chains
- Insulating and heat-shrink tubes
- Braided & high-temperature tubes
- Termination and connecting sleeves
- Bundling, binding and fastening
- Labelling and marking
- Core end sleeves and cable lugs
- HELUTEC® signal and power connectors
- Tools

**SPECIAL CABLES**

We develop optimal, customised cable solutions.

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

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WHAT SETS US APART

SOLID FOUNDATION
Family-owned company operating since 1978

GLOBAL
• 48 locations in 29 countries
• Timely delivery to 160 countries

LOGISTICS
• 33,000+ items available ex stock
• 24-hour delivery service
• State-of-the-art logistics concept

QUALITY-CONSCIOUS AND ENVIRONMENTALLY FRIENDLY
• ISO 9001, 14001 & 50001
• Energy supplied by the company’s own solar and biogas plant

“HIDDEN CHAMPION”
• € 476 million turnover
• 1,200 employees

PRODUCTION
• Six production and assembly locations worldwide

PRODUCTS
• Cables, wires and accessories from one single source

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