

**(Channeling
POWER)** 

—
**Your One-Stop Source for
Electrical Connection Technology**

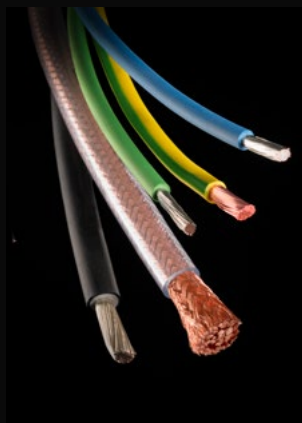
Channeling **EXPERIENCE**

Examples of HELUKABEL Solutions

Fast Charging for Green Buses

At Amsterdam's Schiphol Airport, a fleet of 100 low noise, zero-emission electric buses transport passengers from car parks and bus stops to terminals and aircraft. These are powered by a network of 109 fast-charging stations, reliably supplying the buses with energy around the clock. These

charging stations contain more than 13 kilometres of HELUTHERM® 145 single core cables with cross-sections of 16 to 240 square millimetres. Their increased current carrying capacity enables the charging infrastructure to supply an impressive, combined output of 13 megawatts.



Perfectly Wrapped

GOEBEL IMS, a member of the engineering group IMS TECHNOLOGIES S.p.A., develops slitter rewinders and automatic winding technology for paper, cardboard, films and other materials in Darmstadt, Germany. GOEBEL IMS relied on HELUKABEL to redesign a special

cable applied to the moving winding arms of two 30-year-old machines. A customised solution was developed that integrates power, feedback and servo cables in a very confined space and that reliably withstands the high mechanical loads that apply during use.

Drilling in the Desert and Ice

The deep drilling rigs of Bentec GmbH mainly operate in regions with extreme climates. A large number of cables are required for the complex control of the mobile rigs - from the wiring of switch containers to solutions for power supply. Some of these cables are exposed to tempera-

tures from -45°C to $+80^{\circ}\text{C}$ and high mechanical loads. For this project, HELUKABEL drew on its expertise in crane and wind turbine construction and supplied standard and special solutions to meet the project's unique requirements.



Giants on the Test Bench

In cooperation with the internationally leading agricultural machinery manufacturer AGCO and Renk Test System GmbH, HELUKABEL helped deliver the world's most modern and flexible all wheel roller test stand for agricultural vehicles. An important factor concerning the cabling of the system was, among other things, the current carrying capacity, as their motors work with high

torques. For this reason, ten cable strands were laid per engine. Since this also causes greater heat generation, HELUKABEL developed a special insulation that ensures an optimal performance of the test stand even at higher temperatures. At the same time, the cables are flexible enough to easily cope with the tight bending radii of the installed drag chains.

Channeling INNOVATION



Research & Development

We develop custom cable solutions to meet your unique project requirements. At our manufacturing sites, we specialize in the production of cables for moving applications. Small bending radii, exceptionally long product life expectancies and the ability to withstand extreme chemical, electrical and mechanical loads are examples of customer requirements. New products are tested against “real world” conditions and for

production readiness in our modern and well-equipped research and development centre. We operate a drag chain test station, perform bending and torsion tests, inspect materials and complete fire and abrasion testing. By randomly inspecting samples during production, we ensure that our products meet the highest quality standards.



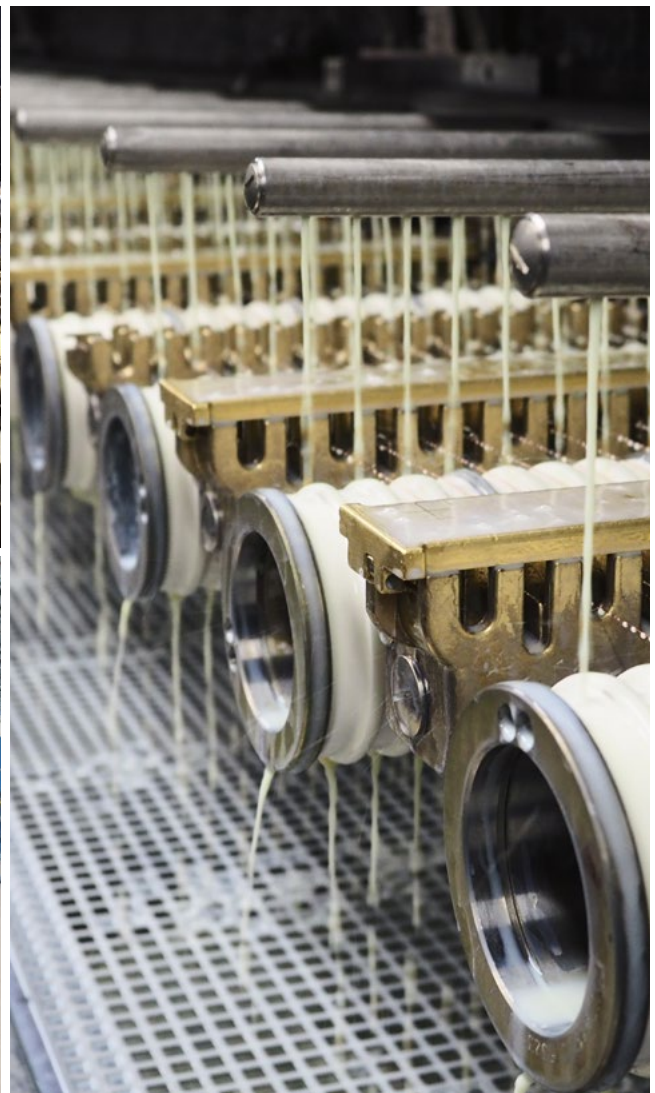
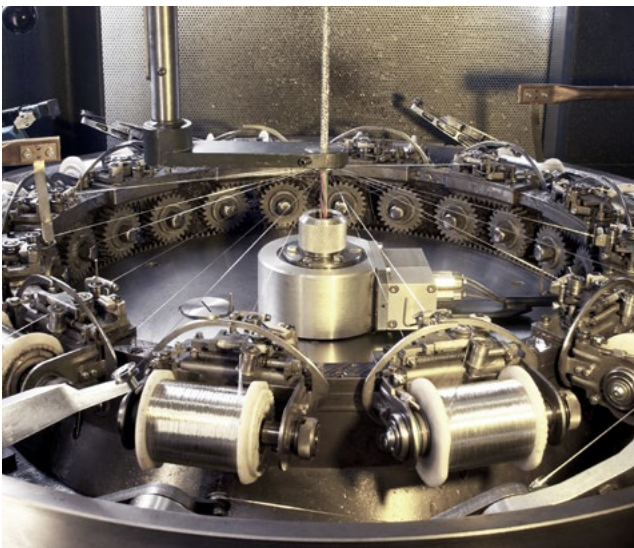
Channeling (KNOW-HOW)



Your Success Is Our Goal

HELUKABEL operates ten production and assembly sites worldwide. Our cable factories - two of them in Germany - are equipped with state-of-the-art manufacturing technology and cover the complete spectrum of cable production, from wire drawing to sheathing. We drive innovation in industries including automation, data technology, building technology, and renewable energy

by using the newest materials, constantly optimising our production methods and by 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 or DNV.





Available to You - Worldwide

HELUKABEL operates Europe's largest and most modern distribution centre for cables and wires at its headquarters in Hemmingen, near Stuttgart, Germany. Across an area of 160,000 m², we store around 33,000 articles for you to choose from in our fully automated high-bay warehouses. This enables us to respond quickly and reliably to all enquiries. Our status as a „known

consignor" reduces the handling time at airports and therefore further shortens delivery times. Neuenhagen/Berlin is our central warehouse location for underground and medium-voltage cables as well as for other infrastructure cables. Even more, HELUKABEL is available to you worldwide, with 61 locations in 39 countries around the globe.

International Locations

Austria | Belgium | Brazil | Bulgaria | Canada | China | Czech Republic | Denmark | Finland | France | Germany | Hungary | India | Indonesia | Ireland | Italy | Malaysia | Mexico | Morocco | Myanmar | Netherlands | Norway | Peru | Poland | Portugal | Romania | Russia | Singapore | Spain | South Africa | South Korea | Sweden | Switzerland | Thailand | Turkey | United Kingdom | United Arab Emirates | USA | Vietnam





Our Product Range

Industrial Cables & Wires

- Control & Connection Cables
- Data Cables, Coaxial & Computer Cables
- Industrial Ethernet & Bus Cables
- Wires & Single Core Cables
- Motor, Servo & Feedback Cables
- Drag Chain Cables
- Robotic Cables
- Reeling Cables
- Compensating Cables
- Internationally Approved Cables

Infrastructure Cables and Wires

- Installation Cables
- Telephone & Fire Alarm Cables
- Energy & Power Cables
- LAN & Fibre Optic Cables

Solutions for Renewable Energy

- Photovoltaic Systems
- Wind Turbines

Solutions for Transport & Traffic Applications

- E-Mobility
- Railway Industry & Rail Vehicles

Media & Event Technology

- Analogue & Digital Audio Cables
- DMX/DMX+POWER Cables
- Speaker & Microphone Cables
- Video, Camera & Load Cables

Spiral Cables & Assembled Cables

Cable Accessories

- Cable Glands
- Connectors & Connection Technology
- End Caps & Core End Sleeves
- Wire End Sleeves & Cable Lugs
- Cable Protection Tubes & Systems
- Bundling, Binding & Fastening
- Identification & Marking
- Energy Drag Chains
- Tools



Channeling FUTURE

Visual Overview

