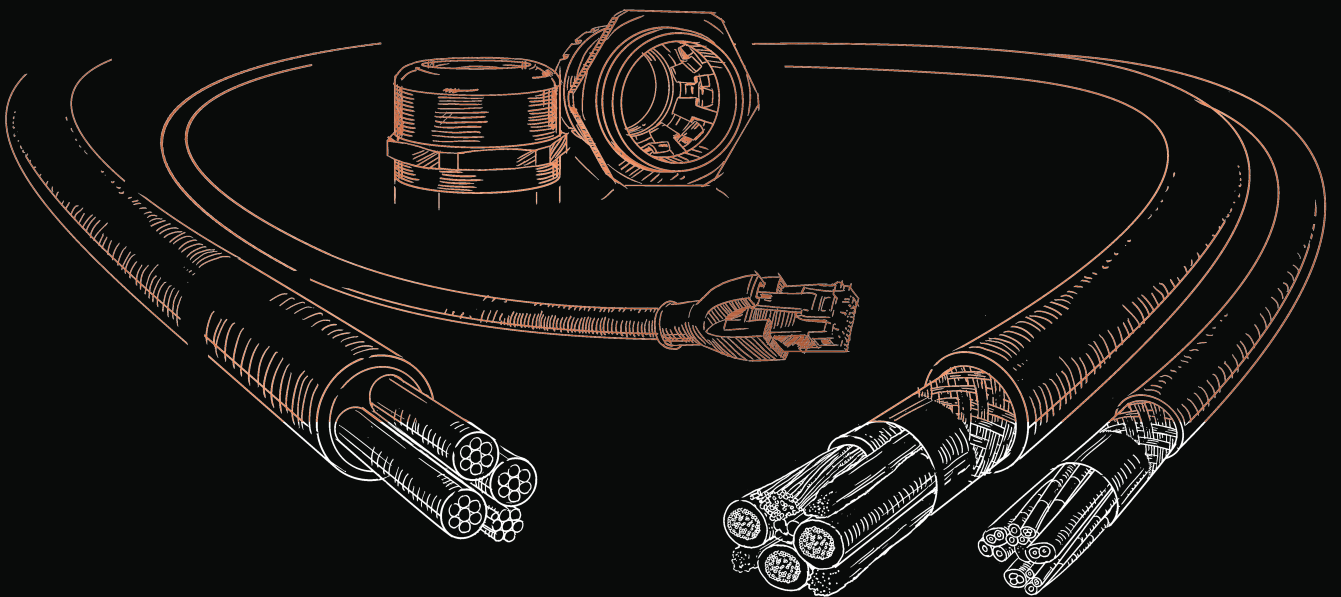




**HELUKABEL<sup>®</sup>**



**( Channeling  
POWER )** 

**CABLES • WIRES • ACCESSORIES**

Cables are the vital supply lines of complex machines, plants, and systems. Whether operating under extreme mechanical stress, in the middle of the Arctic Ocean, in the scorching heat, or in the vastness of space such conditions demonstrate what top-of-the-line cables can achieve. We at HELUKABEL have made it our mission to bring energy and communication to our customers' destinations reliably and consistently at all times, and to make the impossible, possible! "Channeling Power" succinctly

summarizes this mission and is our commitment to customers. Over 2,500 employees located at 69 sites across 40 countries work towards this common goal. We see it as our challenge to find the right cable solution for you every day, giving you the time to concentrate on more important things than cables and wires. This is where our products truly create value for you and your application.

## Industrial Cables and Wires

- 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

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

## Data, Network and Bus Technology

- 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

- 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 solution

## Cable Accessories

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

## Specialised Cables

- Robotic and automation hybrid cable
- 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





# HELUKABEL Subsidiaries

## EKD SYSTEMS

[www.ekd-systems.de](http://www.ekd-systems.de)

EKD Systems GmbH is specialised in drag chain systems made of plastic, steel, aluminium and stain less steel for more than 50 years. The portfolio includes open, closed and partially closed drag chains for gliding and self-supporting applications.

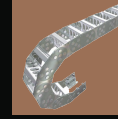
In addition to standardised series products in steel and plastics special products are a priority of the ekd product range, which are designed and made of materials in accordance to customers requirements.



**KOLIBRI:** Standard Plastic Drag Chain



**PFR:** Plastic Tube



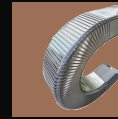
**GKA:** Large Customised Steel Chain



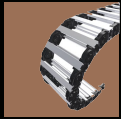
**PKK:** Variable Plastic Drag Chain



**SLE:** Steel Chain



**SFK:** Steel Spiral Tube



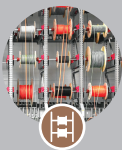
**PLE:** Robust Plastic Drag Chain

## **kabelmat**<sup>®</sup> easy winding. easy working.

[www.kabelmat.com](http://www.kabelmat.com)

Kabelmat is a subsidiary of Helukabel GmbH and is one of the market leaders in the field of winding, measuring and storage technology for the cable and wire industry and many other sectors. Kabelmat offers a wide range of

solutions for processing cables, wires, pipes, steel cables, hoses and profiles.



STORAGE



TRANSPORT



UNWINDING



LENGTH MEASUREMENT



CUTTING



WINDING



BIND & PACK

## **SANGEL**<sup>®</sup> Systemtechnik

[www.kabelmat.com](http://www.kabelmat.com)

Forming part of the HELUKABEL group in 2022, SANGEL is one of the leading suppliers of cable assemblies, industrial LED luminaires and system assemblies for mechanical and plant engineering. Producing in the factories in Germany and Bulgaria

whilst selling their products in over twenty countries worldwide via our international sales organisation.



## JZ500 - CONTROL CABLE



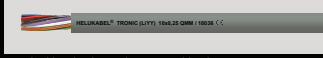
PVC Flexible Oil / Chemical resistant. Cable that are self-extinguishing and flame resistant. Black no. Cored with G/Y earth core. Conductor size from 0.5mm<sup>2</sup>-185mm<sup>2</sup>

## F-CY-JZ



PVC Flexible Oil/Chemical resistant cables that are self-extinguishing and Flame Restardant. 85% T/C braid screen. Disturbance-free transmissions. Conductor size from 0.5mm<sup>2</sup> - 50mm<sup>2</sup>

## TRONIC (LIYY)



PVC Flexible Oil / Chemical resistant cables that are self-extinguishing and flame retardant. Colour coded cores or pairs. Conductor size from 0,14mm<sup>2</sup>-1,5mm<sup>2</sup>

## PAAR-TRONIC-Li-2YCYV



PE / PVC twisted pairs with overall foil and tinned copper braid. Available in conductor sizes ranging from 0.22mm<sup>2</sup>-1.00mm<sup>2</sup>. Particularly suitable for RS 422 and RS 485 interfaces.

## EDV-PIMF-CY



PVC self-extinguishing & flame retardant, colour coded pairs, screened with Aluminium foil + drain wire, overall tinned copper screen braid 85% for disturbance free data transfer. Conductor size 0,5mm<sup>2</sup>-1,5mm<sup>2</sup>

## PAAR-TRONIC-CY-CY (LIYCY)



PVC oil / Chemical resistant cable that is self-extinguishing & flame retardant. Pairs, individually and overall screened. Conductor size 0,14mm<sup>2</sup>-0,5mm<sup>2</sup>

## JZ-HF-CY



Drag chain cable, extremely flexible, screened cable. Oil / chemical resistant, self-extinguishing & flame retardant. Conductor size 0,25mm<sup>2</sup>-95mm<sup>2</sup>

## MULTIFLEX 512-PUR



Halogen free drag chain cable. Oil / chemical resistant polyurethane with high resistance to mechanical strain, weather and UV. High Flex up to 10 million flex cycles.

## OZ-BL-CY



PVC Oil / Chemical resistant, self-extinguishing & flame retardant. Intrinsically safe for hazardous areas. Special blue PVC sheath.

## Y-CY-JZ



PVC Flexible Oil / Chemical resistant cables that are flame retardant. 85% Tinned copper braid coverage, transparent outer sheath. Conductor size 0,5mm<sup>2</sup>-150mm<sup>2</sup>

## ALUMINIUM MYLAR



Available in the following option:  
-Pairs or cores  
-PVC/PVC / OAM / IOAM / TBC  
-Def spec colour coding

## CONNECTORS



Copper and fibre optic connectors for all data applications including RJ45, Profibus and CAN.

## INSTRUMENTATION



APL / AVL / Decalbon / Decaron version available. Construction includes pairs or triads with an HFFR, LHCL or LS ZH outer sheath.

## H01N2-D WELDING CABLE



Extra fine wire bare copper conductor to IEC 60228 Separator and Neoprene outer sheath of chlorinated rubber EWS. Voltage rating 100/100V

## CO-AXIAL CABLE



Suitable for high frequency transmission. Various options available as per requirement. Conforms to Mil spec and uses include video, RF and data.

## FIBRE OPTIC



Fibre optic cables designed for your specific applications. Available in single mode or multi mode, glass or plastic, aerial / HDD / CST.

## AUDIO CABLE



Comprehensive range of audio cables for fixed and mobile applications. AES / EBU or analogue.

## MICROPHONE CABLE



High flex analogue or digital for flexible applications. Available in multi pairs and various colours on request.

## ETHERNET CABLE



Screened / Unscreened versions available. Patch / fixed - armoured, various colour outer sheaths available as well as multi pairs. Versions include Cat 3, 5, 6, 7 and 8

## INDUSTRIAL ETHERNET



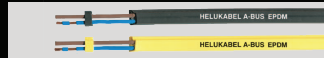
Armoured or unarmoured, screened or unscreened. Available in Cat 6, 7 or 8

## PROFIBUS



Profibus PA/DP  
Armoured  
Drag chain, flex or fixed.

## BUS CABLE



ASI bus, KH bus, EIB bus, CC link bus, Field bus, CAN bus and Device net.

## PANEL WIRE/H05 V-K



PVC / SIHF / HF / HT / ETFE / PFA / PTFE  
Conductor options of tinned and red copper with a variety of outer sheath colours including bi colours.

## GLANDS



Cable glands for applications including electromagnetic compatibility, robust applications, chemical resistance, high temperature, explosive and special pressure conditions.

## SILICON / SIHF



SIHF / SIJAF  
SIHF  
SIHF GL-P  
Single and multi cores available

## HI TEMPERATURE



NICUGL and NIGL  
Available in single and multicore with operating temperatures of up to 750°C

## SIJAF / MT / POL



Flexible single core silicon rubber insulated cable, with external polyester braid. Available in voltage ratings from 1kV up to 15kV and in various colours.

## PH30 - FIRE INTEGRITY



Fire Resistant cables with Halogen free compounds are mainly used for installation of fire alarm and emergency evacuation systems, where long term electrical circuits are required.

## FLAME PROOF



Fire warning cable FE90 to FE180/E. Flame retardant, self extinguishing, low smoke with functional integrity.

## POLYURETHANE BQ-F



PUR Oil / Chemical resistant.  
Excellent resistance to abrasion, tearing and cutting. Retains flexibility at lower temperatures (-40°C).

## MOTOR CONTROL



Conductor insulation of a special polymer concentrically laid up conductors with foil and 80% tinned copper braid screen and special orange PUR outer sheath.

## TRAILING CABLE



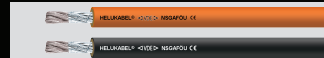
PVC / XLPE Orange trailing cable, XLPE insulated class 5 conductors allow for a higher operating temperature and greater current carrying capacity.

## SPIRAL CORDS



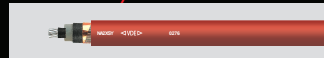
Spiral cords are made up to individual requirements. Available in PVC and PUR versions, strain relief versions on request.

## TRACTION CONTROL



1,8-6,6kV flexible single core cable. Double insulated for increase voltage rating with tinned conductor. Other rolling stock cables available on request.

## MEDIUM/HIGH VOLTAGE



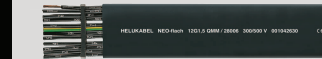
Medium/High voltage power cables. Available in various configurations including copper / aluminium conductor, armoured / unarmoured and screened / unscreened.

## HELUCOND



Complete range of flexible tubes and conduits available. Made from a variety of materials and available in rigid and flexible options.

## FLAT / CRANE CABLE



Flat trailing cables available in PVC and Neoprene versions. Ideally suited for use in overhead crane / festoon systems. Available in core configurations of 4, 8, 12, 16 and 24 with or without screening.

## H07RN-F / RR-F



Neoprene rubber insulated trailing cables. Available in single and multicore from 0,5mm<sup>2</sup>-500mm<sup>2</sup>

## SUBMERSIBLE PUMP



Submersible pump cables for all applications including drink water. Round and flat options available application dependent.

## HELUPOWER RV-K



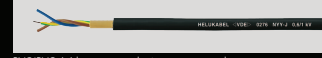
XLPE/PVC Class 5 conductor flexible cable for increased operating temperatures of 90°C providing greater carrying capacity. Available in multi core and single core from 1,50mm<sup>2</sup>-630mm<sup>2</sup>

## SERVO CABLE



Configurations for a variety of different systems available. High degree of coverage provided by the screens. Available up to 300mm<sup>2</sup>

## NYY



PVC/PVC rigid copper conductor, unarmoured cables rated at 600 / 1000V. Available in conductor sizes up to 630mm<sup>2</sup>

## NAPP



PVC/PVC insulated power cable with aluminium conductor. Voltage rating of 600 / 1000V, available in conductor sizes up to 630mm<sup>2</sup>

## SOLAR H1Z2Z2-K



Solar cables compliant to the latest standards internationally. Available in single cores, other solar cable configurations on request. Rodent protection version available.

## ROBOTIC CABLE



High flex cable up to 10 million flex cycles. Max torsion angle 360° / meter.

## CUSTOM CABLES



Cables designed to meet your specific needs and application. Smaller minimum order quantities depending on the product.

## ENCLOSURES



An extensive range of enclosures including fire proof, empty enclosures, explosion protected, quick connect and custom enclosures.

## TOOLS



Wide selection of tools for stripping, crimping, fastening, handling and mounting

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