



Cables and system solutions

# Mining and material handling

## The cable professionals

As a specialist wholesaler for cables and wires, the product portfolio we can offer our customers has great width and depth. We keep approx. 75,000 kilometres of cables and wires on 160,000 m<sup>2</sup>. This makes us one of the largest cable distributors in Europe.

### Mining cables

## System solutions for mining

Klaus Faber AG offers suitable machinery cabling solutions for conveyor equipment and systems as well as custom trailing cables for large mobile mining equipment.

### Your industry experts

## Faber 'Mining' task force – specialists for your mining project



From machinery cabling for conveyor equipment and systems to custom trailing cables for all types of large mobile equipment such as bucket-chain dredgers, floating dredgers and bucket wheel excavators – we find the right cable solutions for your mining project. Whether you need our assistance to meet maintenance requirements or to implement new-build projects all over the world, we take care of your requirements – even directly in the field.

### Applications under the spotlight

## Custom mining cables and system solutions for your project

No cable application is too difficult – we offer you the right cable solution.



#### **Permanently installed machinery cabling**

From our extensive stock range of measurement, instrumentation and control cables, we supply everything from a single source – from frequency converter cables and halogen-free rubber cables up to 1 kV cables for harsh environments, we have the full portfolio available.



#### **Flexible cable solutions for mobile consumers**

From trailing, reeling or energy chain cables to custom cable solutions – our team of experts is always ready to assist you. We will help you design your next mining project.



#### **Ready-to-connect trailing cable solutions and shaft cables up to 30 kV**

For your large equipment, on request we supply ready-to-connect and flexible medium-voltage trailing cables for festoon or reel operation. We are one of the few providers on the market to supply custom shaft cables with special safety factors for your project.



#### **Connection technology and cable service**

We offer you a complete cable service package from cable splicing and assembly for large equipment to cable repairs and final installation. We supply on-shore infeed enclosures for mobile consumers such as floating dredgers, as well as our unrivalled hybrid plug-in connector system up to 24 kV with integrated fibre-optic and pilot contacts.



## Cables for fixed installation

### Rubber cable

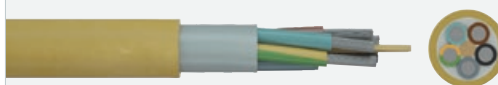
H07RN-F



**APPLICATION:** Cables of the type H07RN-F are flexible rubber cables, which are used as connection cables and control cables. Faber offers you H07RN-F cables in different models, which you can order by the metre for a wide range of applications.

### Rubber cable

NSSHÖU



**APPLICATION:** Designed to withstand high mechanical stress. For the connection of heavy duty underground mining, industrial and construction equipment, in dry and damp areas and outdoors. The cable is largely flame- and oil-resistant.

### Rubber cable

NSSHÖU/3E



**APPLICATION:** Designed to withstand high mechanical stress. For the connection of heavy duty underground mining, industrial and construction equipment, in dry and damp areas and outdoors. The cable is largely flame- and oil-resistant. For applications with specific requirements to EMC.

### Special rubber single-core cable

NSGAFÖU



**APPLICATION:** The rubber single-core cable NSGAFÖU is a real multi-tasker: Apart from its standards-compliant use as a machine control cable in buses and rail vehicles, it is often used in switchgear as a connecting cable. This special rubber single-core cable is, however, also utilised in other dry rooms.

### EMV Motor cable for frequency converter

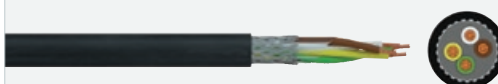
2XSL(St)CYv



**APPLICATION:** The cable has been developed for connecting motors to inverse rectifiers under consideration of EMC-requirements. It may be used under medium mechanical stress for fixed installations and temporary movement. Also for outdoor installation, but not for direct burial. The cable is resistant to most usual oil and grease.

### Elektronik cable

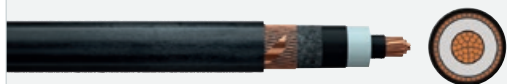
Li2YCYv (TP)



**APPLICATION:** Low-capacitance cable for signal transmission in the mA-range under heavy environmental influences, outdoors and for direct burial. The cable is suitable for Maxi-Termi-Point contacting.

### Medium voltage cable

N2XS2Y



**APPLICATION:** For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. It should be noted during installation in cable ducts and interior spaces that the PE-sheath is zero-halogen, yet not flame-retardant as defined under DIN VDE 0482-332-1. The high mechanical durability of the PE-sheath permits strong mechanical stress during installation or operation.

### Fibre optic data cable

U-DQ(ZN)BH 250



**APPLICATION:** External/internal cable for use in empty conduits (external) and for free installation (internal).

## Cables for semi-fixed installation

### Trailing cable

BiTmining® (N)TSCGEWOEU-TR



**APPLICATION:** Flexible cable for power supply or for connecting large conveyor or mining machines in open-cast mining. Suitable for trailing applications with extremely high mechanical loads.

### Trailing cable

BiTmining® SR FO



**APPLICATION:** Flexible cable hawser with FO and pilot cores designed for high mechanical loads for trailing and reeling applications. Can be used in bulk handling for stacker reclaimers or ship unloaders, or in open-cast mining on large-scale mining equipment.

### Trailing cable

BITservo® (N)TSCGEWOEU EMV FC



**APPLICATION:** Flexible medium voltage cable for connection between motor and frequency converter. For installation indoors and outdoors.

### Trailing cable

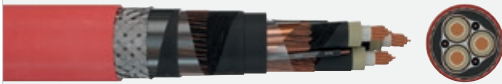
SUPREMIER® (N)TSCGEWOEU[SB]



**APPLICATION:** Flexible cable for fixed energy distribution lines in mines and alongside material handling equipment

### Trailing cable

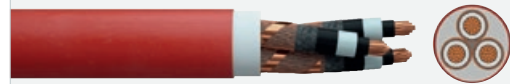
Faber® (N)3GHSSYCY / -HCH



**APPLICATION:** As power supply cable for mobile MV equipment in mining and tunnel applications.

### Medium voltage cable

N2XSEY



**APPLICATION:** For installation in the ground, in water, outdoors, indoors and in cable ducts for power stations, industrial applications and distribution networks. The good installation properties of this cable allow an easy installation, even on difficult routes. According to VDE 0276-603 cables must be protected from sunlight.

### Screened control cable

Faber® (ICA) Mining



**APPLICATION:** For signal transmission between electronic devices, in computer systems, process control units in open-cast mining applications. For installation along conveyor belts and on material handling equipment.

### Reeling fibre optic cable

NEXANS RHEYCORD®-OFE R



**APPLICATION:** Flexible fibre optic cable for signal and data transmission in crane and conveyor systems with high drum speeds and tensile loads. The cables can be manufactured with singlemode E9/125 and multimode 50/125 or 62.5/125 fibers for specific projects. We also offer customer-specific cables with matching ST plugs or pigtails.

# Cables for permanently moving systems

## Trailing cable (halogen-free)

Prysmian Festoonflex PUR-HF



**APPLICATION:** Power and control cable for very high mechanical requirements, frequently bendings, especially for use in trolley systems, drag chains on moving parts of machines, conveyor facilities. Suitable for dry, humid and wet rooms and for outdoor use. The cable is suitable for permanent use in water (no drinking water) up to a depth of 50 m.

## Cable for festoon application

BiTcrane® (N)3GRD5G-J/O



**APPLICATION:** Power and control cable for high mechanical requirements, frequently bendings in only one direction, especially for use in trolley systems, drag chains on moving parts of machines, conveyor facilities. Suitable for dry, humid and wet rooms and for outdoor use.

## Drag chain cable

FABER® EFK-SC 9Y11Y / 9YC11Y



**APPLICATION:** Highly flexible control cable for constant moving applications under heavy duty conditions. The cable is halogen-free, flame-retardant and resistant to most chemicals used in industrial environment. Please pay attention to our installation instructions for drag chain cables on our website.

## Flexible medium voltage cable

BiTcrane® (N)TSKCGEWOEU-SR PLUS HS FO



**APPLICATION:** Flexible reeling cable with integrated fibre optics wires for high and extreme mechanical stresses, e.g. torsional stress, deflection into different planes and high reeling speed.

## Low voltage Reeling Cable

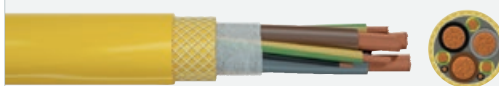
Prysmian Cordaflex® (N)SHTÖU (SMK)



**APPLICATION:** As a reeling connection cable for high and very high mechanical loads. Can also be used within the scope of DIN VDE 0168 and 0118: Surface and underground mining.

## Reeling cable

FABER® Reelingflex



**APPLICATION:** Reeling cables are designed for power supply connections to all types of mobile equipment and vehicles used in quarrying, open-cast mining and other large scale civil engineering operations. For applications in mining and milling sites, construction plants, industry etc. The cable can also be used as a festoon cable.

## Flexible medium voltage cable (drag chain compatible)

Bitflex® DC (N)TMCGC11Y / Bitflex® DC (N)TMCGCWOEU – UL



**APPLICATION:** The cable can be used in onshore/offshore power systems for energy guiding chains and reel applications or for supplying power to large electrical systems and drives via energy guiding systems.

## Trailing cable

Faber® Dredging cable/3E



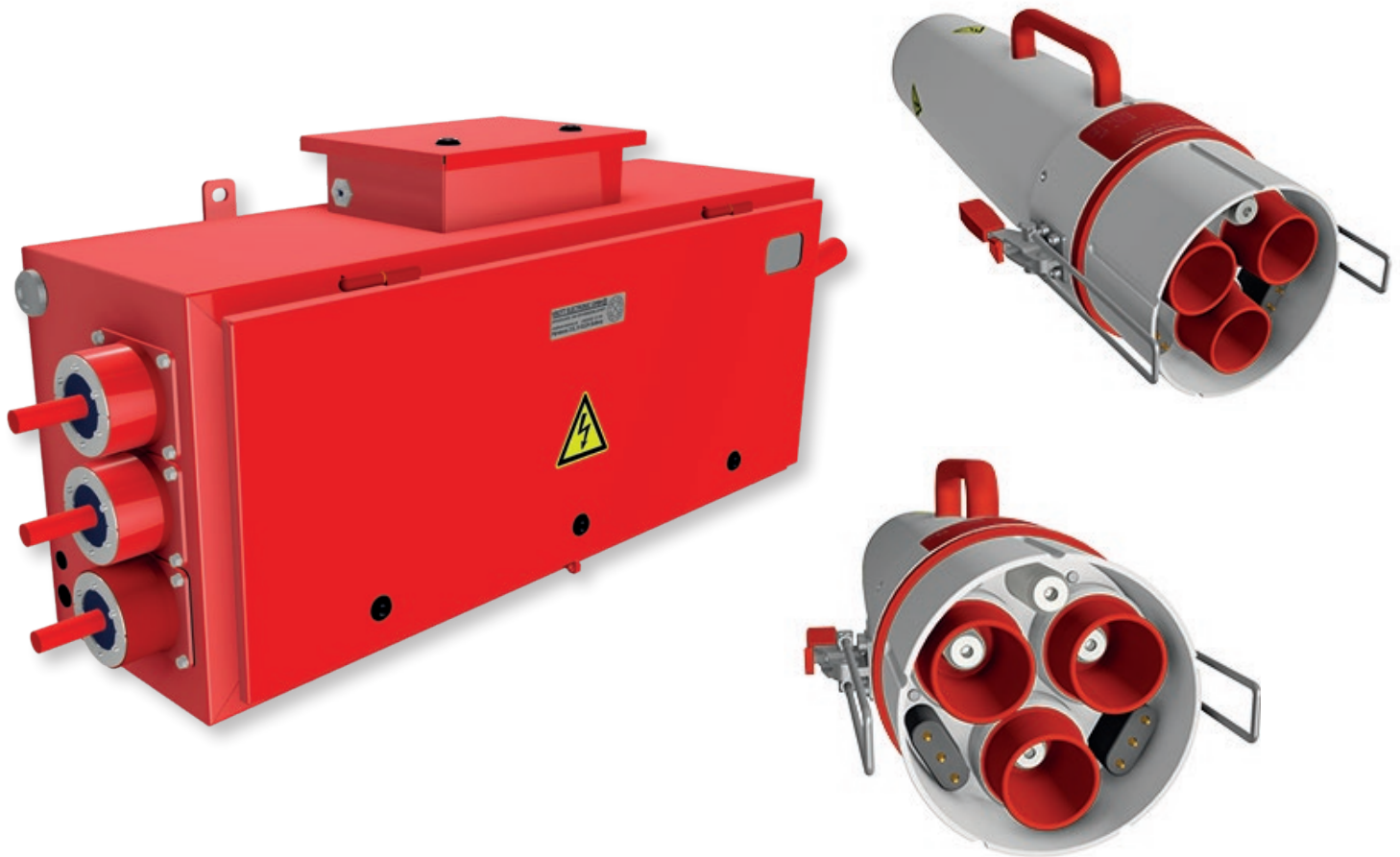
**APPLICATION:** Flexible medium voltage cable for permanent use in water, for example connecting dredgers, floating docks, pumps and open-cast mines.

## Connectors. Couplings. Junction boxes.

Faber serves since 1950 with its customer-oriented logistics and services, a wide range of products, high product availability and the technical know-how a great variety of different market sectors. And even for customized solutions Faber is the right partner to contact.

Together with **KROTT ELECTRONIC**, we develop, produce and supply customized connector-coupling systems and connection housings up to 24 kV for the mobile connection of mining or conveyor belt equipment in mining and material handling. In various global projects, Faber is increasingly relying on the SMV24 connector system and the G-MV connection housing series to live up to its reputation as a system supplier - true to the motto "your turnkey solution provider - we energize your construction site."

Further information: [www.krott-electronic.de](http://www.krott-electronic.de)



**KROTT**ELECTRONIC GMBH®

ENTWICKLUNGS- UND VERTRIEBSGESELLSCHAFT  
DEVELOPMENT AND SALES COMPANY





Cooperation

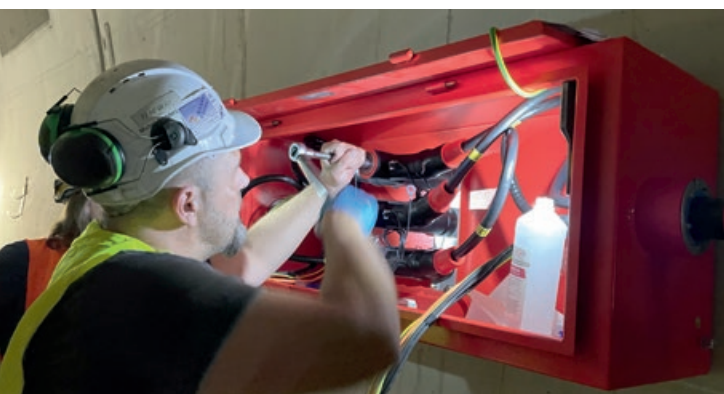
## Assembly. Repair. Installation.

**BECKER & HÜSER** is a service partner in the field of low and medium voltage technology as well as in the field of fiber optic cable/fiber optic technology. Cable repairs as well as the assembly of terminations and special customer solutions, also for hybrid cables, are part of the daily range of services.

As a cooperation partner of Faber, Becker & Hüser assembles ready-made connection systems that are used in tunneling and mining. Together, customers can therefore be offered a "turnkey solution" that is not only limited to new projects, but also offers comprehensive support during an ongoing process. Becker & Hüser offers an assembly service for all connector and termination variants used in tunneling and mining. These include, among others:

- Plug and coupling systems from Krott Electronic
- TJB connector systems
- Cavotec connector systems
- Patton & Cooke connector systems
- 630 A Typ C connector systems from various manufacturers

Further information: [www.kabelreparatur.eu](http://www.kabelreparatur.eu)



# BECKER & HÜSER GmbH





## Reliable systems for efficient logistics

**HARTMANN & KÖNIG STROMZUFÜHRUNGS AG** is a leading company in the manufacture of motorized cable reels, spring cable reels and slip ring assemblies. We supply customers around the world with state-of-the-art systems for power and data transmission on mobile equipment. Our solutions for mining and material handling are as follows:

- motorized cable reels for stacker reclaimers / ship loaders and unloaders
- cylindrical reels for mining and conveyor belt units
- suitable slip ring assemblies with rotary transmitters for energy and data
- wide-winding reels for drilling and shotcrete trucks

Products from Hartmann & König are characterized not only by their outstanding quality, but also by their durability and reliability. The use of high-quality materials and innovative manufacturing techniques ensure that our systems always function perfectly, even under extreme conditions. This leads to a significant reduction in downtimes and thus increases the productivity and efficiency of our customers' systems.

Further information: [www.hukag.com](http://www.hukag.com)





## Our references

The best advertising  
is done by satisfied  
customers.

We view the business through the eyes of the client, and base our actions on this principle. Which is why we always take care of our clients and unfailingly pursue the aim of consistently providing the best service. We want our clients to be successful. That is the key to our success and also the reason why companies remain loyal to us. These and many other clients place their trust in Faber.

# LIEBHERR



# HEIDELBERGCEMENT



# SIEMENS



# RWE

# KOCH SOLUTIONS



Further information about our  
references can be found here:



references





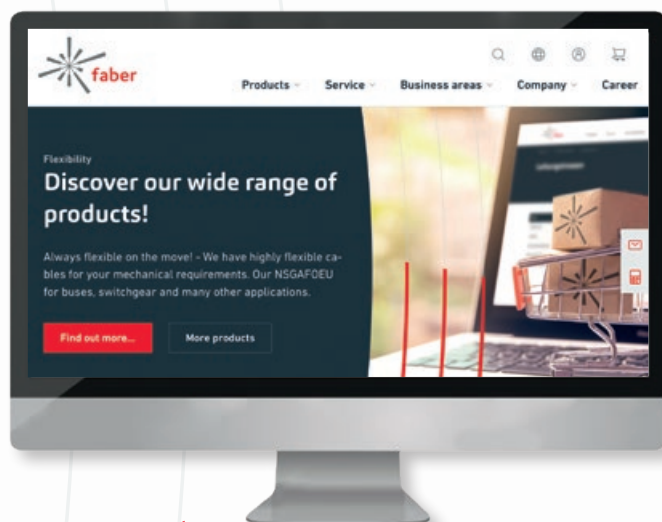
## Faber-B2B-Webshop!

- more extensive product portfolio with all new products at a glance
- live stock and price check
- online document archive
- cable calculator
- and many other benefits:
  - drum availability notification online
  - discounted overview of remaining lengths
  - Excel order list upload

Connect your ERP system directly over the **Open Catalog Interface (OCI)**!



You can also visit us on our YouTube channel!



SCAN ME!



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We are looking forward to hearing from you





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