



TUNNEL & INFRASTRUCTURE

CABLES, CONNECTORS & JUNCTION BOXES

As a specialist wholesaler for cables and wires, the product portfolio we can offer our customers has great width and depth. We keep approx. 70,000 kilometres of cables and wires worth around €100M available for them on 164,000 m². This makes us one of the largest cable distributors in Europe. On a project basis, we are also able to provide preassembled ropes and optical fibre cables specifically for cranes and hoists.

With up to 17,000 articles in our product portfolio, we have one of Europe's largest ranges of cables and wires. The basis of our business concept: instant product availability, extraordinary product variety and thus risk minimization for our customers. This means for you: no capital commitment, no risk of theft and no valuation risk.



We thus support you in avoiding idle periods and successfully countering the time and cost pressure.

Your Partner for Tunnel Cabling

Well-known Tunnel Construction Companies trust our services and the high product quality. Our range of cables for tunnel construction includes flexible cables for stationary systems or for underground mining application, reeling drag chain cables for drilling and shotcrete machines, also cables for power supply in the underground area of tunnel ventilation or for building lighting. Get in touch, we will gladly support you in the realization of your projects.



We know the demands of the tunnel building industry

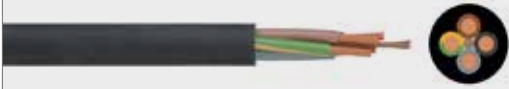
In addition to our wide range of standard cables our line of products also includes the proprietary FABER® Reelingflex especially for use as a reeling, extension, drag chain cable and for drilling and shotcrete machines. Our FABER® (N)3GHSSYCY is useable for power supply of larger needs. EMC motor connecting cables for tunnel ventilation. Fibre optic cables (pre-assembled on request) for fault-free construction of underground networks as well as rubber lines NSSHÖU, H07RN-F and PUR cables like H07BQ-F as stock range.



TUNNEL CONSTRUCTION CABLES.

LOW VOLTAGE

Rubber Cable H07RN-F



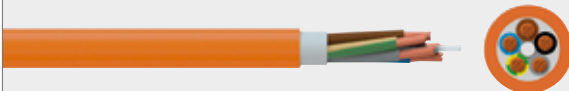
APPLICATION: For use at medium mechanical stress in dry, wet and damp locations, as well as outdoors. Also for fixed installation on plaster or machines. The cable is oil-, UV- and ozone-resistant. Higher conductor temperatures may be permissible with protected installation, please require.

Aluminium Rubber Cable 07BN4-AF



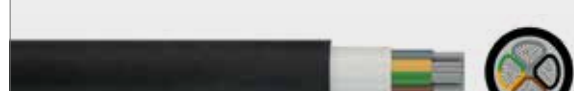
APPLICATION: For installation in dry and wet rooms as well as outdoors at medium mechanical stress. For fixed and flexible connection of electrical tools and appliances. Also suitable for application in wind power generators at medium mechanical stress. A Dekra certificate is available on request.

PUR Insulated Cable H07BQ-F



APPLICATION: In dry and wet environments as well as temporary outdoors under medium mechanical stress. For connection of electrical tools on building sites or in cold environments.

Power Cable NAYY-J/-O



APPLICATION: For fixed installation indoors, outdoors, in the ground, in water and in concrete.

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.

EMC Connecting Cable 2YSL(St)CYv



APPLICATION: This cable was specifically developed for the EMC-compliant connection of frequency converters. For uses with medium mechanical strain with permanent installation and occasional motion indoors and outdoors, but not in the ground. The version with the three-stranded protective conductor is thinner, lighter and distinguished by improved EMC-properties. The cable is largely oil-resistant.

EMC Connecting Cable for drives
2XSL(St)CHv DB



APPLICATION: Halogen-free and flame-retardant cable connecting motors to inverse rectifiers under consideration of EMC-requirements. It may be used under medium mechanical stress for fixed installations and temporary movement. Suitable for indoor and outdoor installation as well as for direct ground burial.

TUNNEL CONSTRUCTION CABLES.

LOW & MEDIUM VOLTAGE

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 festoon cable.

Heavy Duty PUR-Cable POLYFLEX MINE



APPLICATION: POLYFLEX MINE 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.

Flexible medium voltage cable
Faber® (N)3GHSSYCY 12/20 kV



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

Flexible medium voltage cable
Faber® (N)3GHSSHCH 12/20 kV



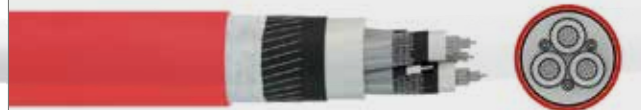
APPLICATION: As power supply cable for shiftable MV equipment in mining and tunnel applications.

Flexible medium voltage cable
Faber® (N)TSCGECWOEU TBM



APPLICATION: Flexible cable suitable for tunnel boring machines (TBM) and generally for tunnel application.

Flexible medium voltage cable
Faber® TBM (N)TSCGECWHXÖU



APPLICATION: Flexible cable suitable for reeling drum of tunnel boring machines (TBM) and generally for tunnel application: Other applications have to be agreed with Faber Kabel, otherwise warranty may get lost.

Aluminium rope AAC-95 (93-AL1)



APPLICATION: Bare overhead line made of the material EN AW 1350 (E-AL 99,5). The current carrying capacity in air of 340 A (60 Hz) refers to an ambient temperature of 35°C and a wind speed of 0.6 m/s.

Copper rope Cu blank, weich



APPLICATION: Annealed cables are used for earthing purposes in electrical installations. They have a mathematical tensile strength of 200N/sqmm. Hard-drawn conductors are used primarily as overhead lines. Their mathematical tensile strength is 400N/sqmm.

FABER

TUNNEL INFRASTRUCTURE CABLES .

FIXED INSTALLATION

FRNC power cable (N)HXH FE180/E90



APPLICATION: For installation in dry and wet rooms, also for direct bedding in concrete, but not for direct burial in ground and not for use in water. The cable has improved flame retardant and may be used in public buildings with high safety requirements. This cables are halogen free, low smoke density and are fire resistant according to VDE 0472 part 814 (180 min.). Furthermore the cable passed the test of 90 min. circuit integrity according to DIN 4102 part 12 (E90).

FRNC power cable (N)HXCH



APPLICATION: Cable with concentric conductor for installation in dry and wet rooms, also for direct bedding in concrete, but not direct burial in ground and not use in water.

Medium voltage cable N2XSY



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 make installation easy, even on difficult routes. According to VDE 0276-603 cables must be protected from sunlight.

FRNC power cable (N)2XH-J/-O (B2ca)



APPLICATION: Zero-halogen, low smoke power cable with improved flame-retardance. For fixed installation indoors, in air as well as in concrete, but not for direct burial in the ground or application in water.

Power cable NYY-J/-O



APPLICATION: For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Power cable NYCWY



APPLICATION: For fixed installation indoors, outdoors, in the ground, in water and in concrete.

Dataline fibre optic cable A-DQ(ZN)B2Y (Z)



APPLICATION: Fibre optic cable with central tubes and non-metallic armour, strain relief and rodent protection. Swelling elements within strand ensure longitudinally watertightness of the cable. The rugged and abrasion-resistant PE-sheath enables easy installation in tubes and ducts. The sheath is halogen-free, but not flame-retardant

Subscriber line cable A-2YF(L)2Y St III Bd



APPLICATION: For fixed installations indoors, outdoors, in the ground, in water and in concrete.

COOPERATION:

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.

With the expansion of the „Tunneling“ division, we can offer our strengths as detailed above in combination with our technical expertise in a market sector where the short-term availability of cables and wires and fast response times are indispensable.

KROTT develops, produces and supplies customized hybrid connector system solutions for mining and tunneling. Well known companies like Herrenknecht trust his services.

Next to common brands Krott serves in cooperation with Faber its brand new range S-LV1/4 for the mining and tunneling industry. Upon request we offer the connector system solution prefabricated with **FABER®** Reelingflex for drilling and shotcrete machines or useable as an extension cable.

Feel free to contact us for customized solutions for mining, tunneling and shaft construction.

The new junction box series G-MV24-86ZG was used with great success by the company PORR in the Brenner Base Tunnel.

The benefits in a nutshell:

- Perfect for cable connections in a wiring run
- Perfect for accommodation of fiber components as well as additional devices
- Efficient cable assembly through removable connecting flanges
- Efficient cable seal assembly by divided Roxxtec-seals
- Robust surface due to powder coating

Further information: www.krott-electronic.de

KROTTELECTRONIC GMBH®

ENTWICKLUNGS- UND VERTRIEBSGESELLSCHAFT
DEVELOPMENT AND SALES COMPANY



COOPERATION:

PRODUCT PORTFOLIO.



COOPERATION:

ASSEMBLY. REPAIR. INSTALLATION.

ASSEMBLY.



BECKER & HÜSER assembles cables in the low and medium voltage range and hybrid cables with power, control and FO supply for a huge range of different applications on order. From ropes for gravel quarries via floating dredger applications through to reelable systems in a great variety of crane applications – together with our partner, we will always find the perfect solution for your requirements here at FABER.

Thanks to the additional cooperation between Becker & Hüser and KROTT ELECTRONIC, we are also able to design customized hybrid connector system solutions for you to order.

REPAIR.



If defective external supply cables bring a crane to a standstill, the bills can be huge. Thanks to the many years of experience and always perfectly trained team of our cooperation partner, Becker & Hüser in Sonsbeck, we can offer you a 24/7 emergency service, which is also available on-site around the world if push comes to shove.

INSTALLATION.



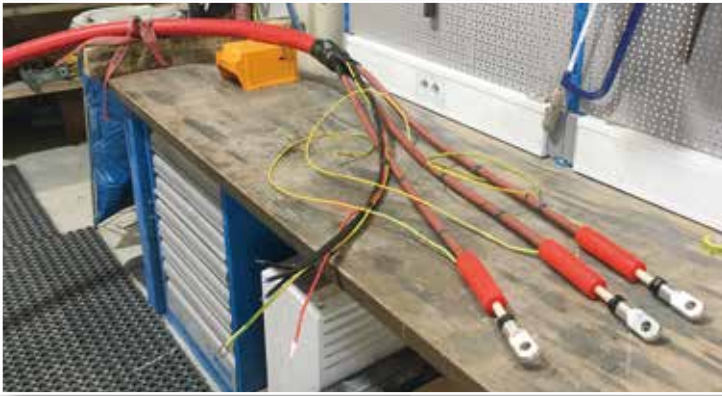
A trained service and installation team is always available to you to support you locally in the installation of new low- and medium-voltage equipment.

Further information: www.kabelreparatur.eu

BECKER & HÜSER GmbH



COOPERATION:
PRODUCT PORTFOLIO.



FABER ONLINE SHOPPING

- ✓ available 24/7 worldwide
- ✓ online product availability check
- ✓ customer-specific prices
- ✓ document archive
(invoices, delivery notes and order confirmations)
- ✓ article search, also using filters
- ✓ technical documents
- ✓ indication of remaining lengths with reduced prices



FIND OUT MORE AT:
shop.faberkabel.de



NEW

FABER

CONSTRUCTION ELECTRICITY EQUIPMENT.

MENNEKES
MY POWER CONNECTION



TRUSTWORTHY

OUR REFERENCES.

SATISFIED
CUSTOMERS ARE THE
BEST PUBLICITY.

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.



HEIDELBERGCEMENT



Fortschritt baut man aus Ideen.



Construction Swiss GmbH



DELACHAUX GROUP

More information on our references is available at:

www.faberkabel.de/en/industries/references/





FABER

THE SERVICE PROFESSIONALS.

Whether it is a new building or modernization project, whether large or small requirements, whether standard or special cable solutions, we consistently keep everything you need in stock and deliver our products quickly and reliably in the cutting lengths you require. In addition we offer cable assembly, special developments through our own R&D, hybrid connection system solutions up to 30 kV and other after sales services from a single source.

Get in touch. We would be happy to support you in the realization of your projects.

WE ARE
LOOKING
FORWARD TO
HEARING
FROM YOU.

You can contact us at:
T +49 681 9711-0
info@faberkabel.de



DIVISION TUNNEL & INFRASTRUCTURE



Alexander Keunecke
Head of Business Unit
Heinz-Fangman-Str. 2-4,
W-tec Haus 5, D-42287 Wuppertal
T +49 202 52744009
M +49 1712658559
AKeunecke@faberkabel.de



Günther Tischler
Key Account
DACH-Tunneling
M +49 175 7675116
GTischler@faberkabel.de



Kam-Ho Hew
Sales
T +49 681 9711-268
KHew@faberkabel.de



Nathalie Steinert
Sales
T +49 681 9711-235
NSteinert@faberkabel.de



Suna Korkmaz
Sales
T +49 681 9711-179
SKorkmaz@faberkabel.de



**Lea-Marie
Zimmermann**
Sales
T +49 681 9711-164
LZimmermann@faberkabel.de



Klaus Faber AG

Headquarters
Europaallee 33
66113 Saarbrücken
Germany
T +49 681 9711-0
info@faberkabel.de

Klaus Faber AG

Export and logistics centre
Hedemünden
Kirchweg 12–14
34346 Hann. Münden
Germany

Klaus Faber AG

Export and logistics centre
Fichtenau
Gärtnerstraße 1
74579 Fichtenau
Germany

Find out more: www.faberkabel.de/en/