



Conveyor Technology

Cable and CONNECTivity



Conveyor Technology: Extreme conditions and requirements.

Conveyor lines have one thing in common: they have to transmit power or data safely under the most difficult conditions – permanently and absolutely interference-free.

Increasing dynamic loads are the norm. For example, reeling cables on motorized cable reels must remain fully operational even in continuous operation at ever higher speeds – in some cases they are even subjected to 24-hour operation 365 days a year. We meet these requirements by using innovative designs, materials and manufacturing techniques. What is still the future elsewhere, you can already take for granted at TKD as the current state of the art and plan it for your projects.

We have the know-how and broad portfolio to always offer the right solution.

TKD Product Overview

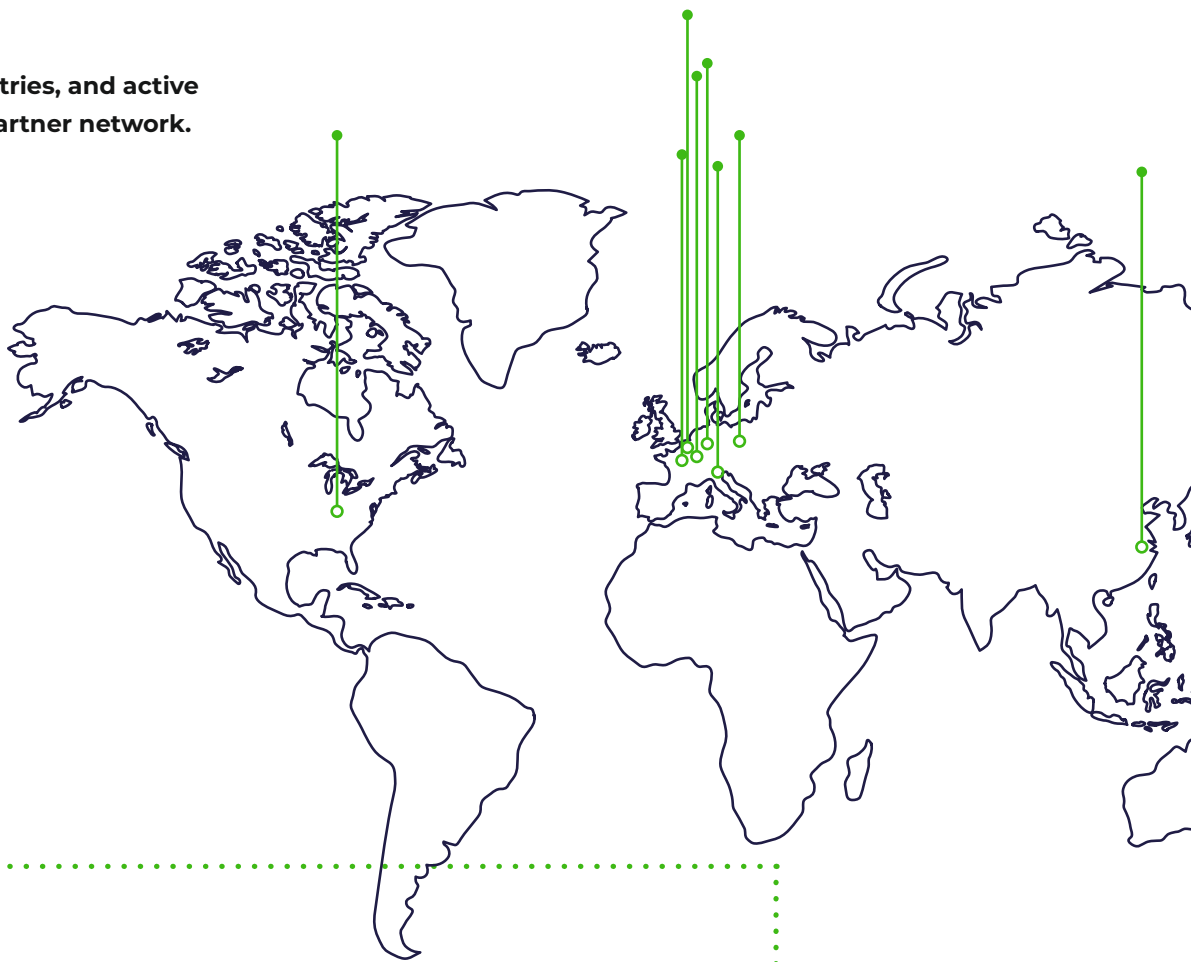
TKD is the distributor of Infinite Electronics, specialized in all types of cables. TKD has decades of experience in design and application technology, combined with a strong awareness of quality and environment. This gives our customers the security of receiving innovative and high-quality products, even for the most demanding requirements.



Footprint in 8 countries, and active globally with our partner network.

Own branches in:

- Germany
- Belgium
- Netherlands
- Poland
- Italy
- France
- China
- USA



Globally active

Welcome to the product portfolio of TKD Kabel GmbH. We are one of the world's leading suppliers of cables, ready-to-connect cable systems and cable accessories.

Since 2023 we are part of Infinite Electronics, and since then a progressive and international player in the specialty cable and connectivity solutions market.

Infinite Electronics was formed from the merger of several successful companies in the cable and connectivity industry. The group of companies produces, distributes and assembles special cables as well as cable harnesses and accessories.



Distribution

knowledge company with added value in cables and accessories for wholesale and OEM customers with branches in the Netherlands, Belgium, Germany, Italy, Poland, France, China and the USA.



Assembly

customer-specific assembly of connectivity solutions for OEM customers with own locations in the Netherlands, Poland and Germany.



Production








the production of a wide range of special cables.











“

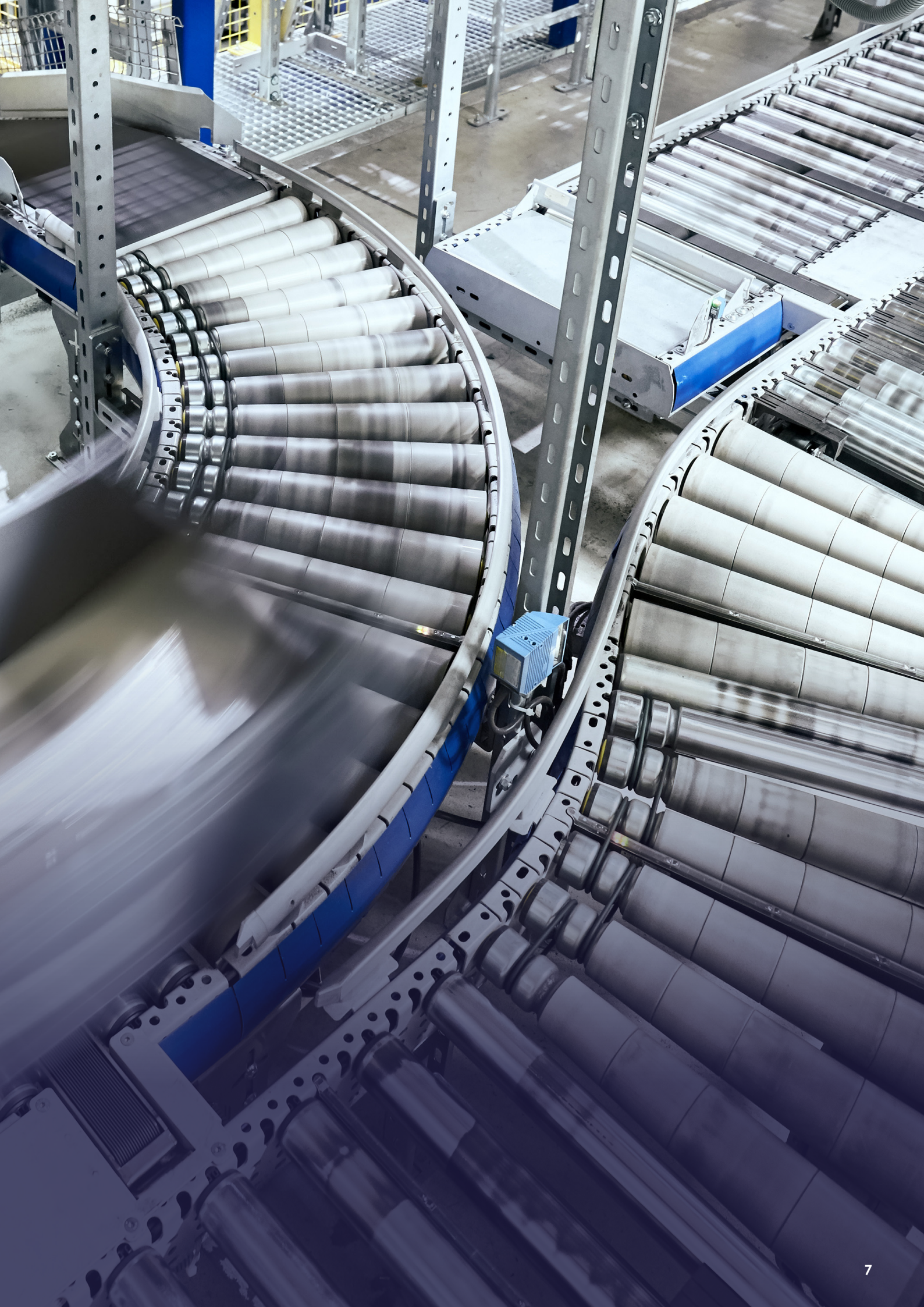
Around the world, our team members work urgently to provide connectivity solutions and support, giving our customers what they need, when they need it.

Contents at a glance

	Category	Page
	Overview: Conveyor cables	6
	KAWEFLEX® Highlights	8
	REELTEC® Highlights	10
	FESTOONTEC® Highlights	12
	Flexible control cables	15
	BUS, LAN, coaxial & video cables	15
	Control and data cables – high flexible for use in drag chains & robotic applications	15
	Servo-drives, measurement & system cables - flexible & high flexible for use in drag chains and robot applications	16
	Crane, conveyor and lift cables	18
	Rubber cables	19
	Cables and wires for fixed installation	19
	Service	20

Overview: Conveyor cables

Round and flat cables										
cable guidance systems	reel									chapter
stress	simple	high	extreme							
FESTOONTEC® H05VVH6-F, (H)05VVH6-F	-	-	-	++	-	0	-	-	-	06.01.01
FESTOONTEC® H07VVH6-F, (H)07VVH6-F	-	-	-	++	-	0	-	-	-	06.01.02
FESTOONTEC® YCFLY, YFLCY, KYCFLY	-	-	-	++	-	0	-	-	-	06.02.02
FESTOONTEC® H05VVD3H6-F, KYFLTY, KYFLTFY, KYCFLTY, KYFLTCY (EMV)	-	-	-	++	-	0	-	-	-	06.02.03
FESTOONTEC® NGFLGÖU, (N)GFLGÖU	-	-	-	++	-	0	-	-	-	06.03.01
FESTOONTEC® M(StD)HÖU (EMV)	-	-	-	++	-	0	-	-	-	06.03.02
FESTOONTEC® LSOH, LSOH-C	-	-	-	++	-	0	-	-	-	06.04.01
FESTOONTEC® PUR-HF	+	0	-	++	0	+	-	-	-	06.12.01.01
FESTOONFLEX PUR-HF	+	0	-	++	0	+	-	-	-	06.12.01
FESTOONTEC® C-PUR-HF	-	-	-	++	0	+	-	-	-	06.12.02.01
FESTOONFLEX C-PUR-HF	-	-	-	++	0	+	-	-	-	06.12.02
FESTOONTEC® FIBER RUBBER	+	-	-	++	0	+	-	-	-	06.12.05.02
FESTOONFIBERFLEX PUR-HF	+	-	-	++	0	+	-	-	-	06.12.05
REELTEC® PUR-HF	+	++	++	+	++	+	++	-	-	06.09.10.01
TROMMELFLEX PUR-HF	+	++	++	+	++	+	++	-	-	06.09.01
TROMMELFLEX PUR-HF SPREADER REEL	+	+	++	-	0	0	-	-	-	06.09.01.01
TROMMELFLEX-HD SPECIAL SPREADER REEL	+	+	++	-	0	0	-	-	-	06.09.01.02
REELTEC® (K) NSHTÖU, (N)SHTÖU	++	+	0	++	0	+	-	-	-	06.09.13.01
TROMMELFLEX (K) NSHTÖU, (N) SHTÖ-U	++	+	0	++	0	+	-	-	-	06.09.02
REELTEC® KSM-S (N)SHTÖU-J, (N)SHTÖU-J + LWL	+	++	++	0	0	+	0	-	-	06.09.16.01
TROMMELFLEX KSM-S (N)SHTÖU-J, (N)SHTÖU-J + LWL	+	++	++	0	0	+	0	-	-	06.09.05
REELTEC KSM-S (N)TSCGEWÖU, (N) TSCGEWÖU + LWL	+	+	++	++	0	0	++	-	-	06.11.03
SPREADERFLEX 3GSLTOE	-	-	-	-	-	-	-	-	++	06.10.03
LIFTTEC® FLGÖU	0	-	-	0	-	0	-	++	0	06.08.01
LIFTTEC® STN	0	-	-	0	-	++	-	++	0	06.08.02
LIFTTEC® STCN (EMV)	-	-	-	0	-	++	-	++	-	06.08.03
LIFTTEC® YMHY-KT	-	-	-	-	-	-	-	++	-	06.07.01
LIFTTEC® YMHY-KST	-	-	-	-	-	-	-	++	-	06.07.02
LIFTTEC® FYMYTW	-	-	-	-	-	-	-	-	-	06.07.05



KAWEFLEX® Highlights

KAWEFLEX® 6310 SK-PVC UL/CSA

electronic drag chain cable for data and signal transmission for normal requirements in drag chains and moving drive systems.



KAWEFLEX® 5288 SK-C-PUR UL/CSA SERVO 0,6/1kV

shielded, low capacity power cable, also with 2, 3 resp. 4 control cores for temperature sensors or brake for EMC-compatible connecting between drives and frequency converter for high requirements in drag chain applications, moving drive systems, in the field of robotic technology, in manufacturing plants as well as in dry and humid rooms.



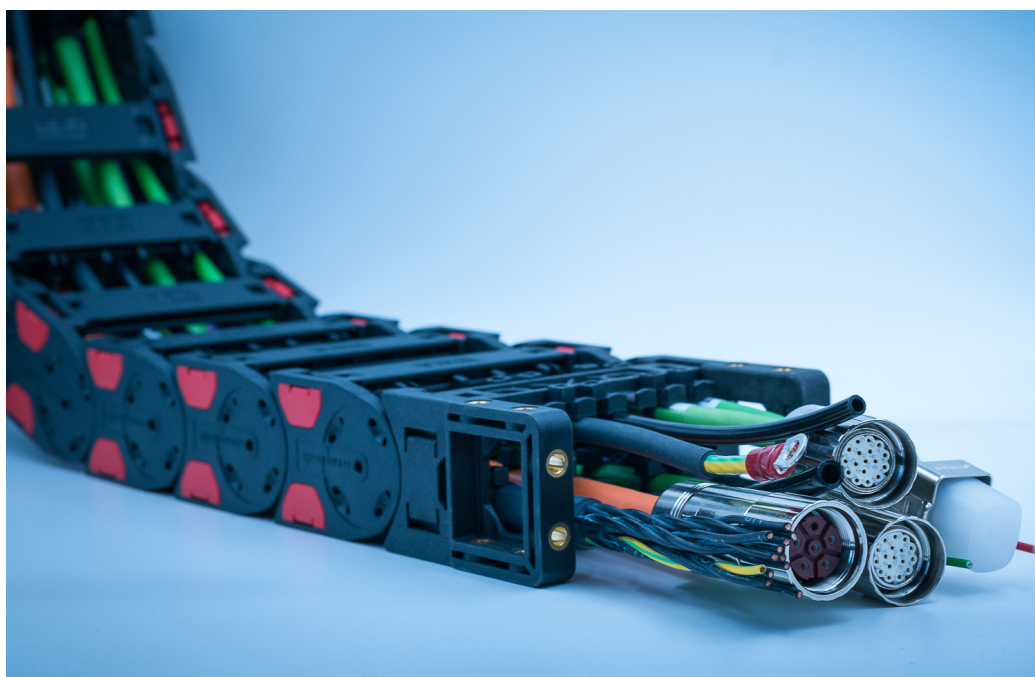
KAWEFLEX® 6130 SK-PUR UL/CSA

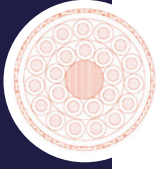
as highly flexible, low capacity power and control cable for high electrical and mechanical requirements in drag chains and motion drive systems in machine and plant engineering.



KAWEFLEX® Allround 7240 SK-C-TPE UL/CSA

power and control cable for EMC compatible connecting at highest requirements in drag chain applications, for machining centers, machine and plant engineering in the field of crane and conveyor facilities, in compost-, sewage and car wash facility, laundries, in the chemical industries as well as in the food- and beverage industrie. Applicable in dry and humid rooms also outdoor.





REELTEC®



Our **REELTEC®** series is especially robust and durable, making it ideal for use in industrial crane and harbor crane systems. It is widely used to provide power and control pulses to systems. Their reeling characteristic makes them easy to wind and unwind, which contributes to longer lifetime.

They are suitable for use in harsh industrial environments and are particularly resilient to withstand high mechanical stresses. We offer various designs of reelable cables, which differ depending on the application. Our cables are thus an important component in industrial crane and harbor crane systems and contribute to a safe and reliable power supply.

Go directly to **REELTEC®** product overview - Scan or click QR code



REELTEC® Highlights

REELTEC® PUR-HF

Halogen-free reeling cable for heavy duty devices such as cable reels (also vertical operation), hoisting devices, conveyor facilities, mobile motors, rail motors and agricultural devices. For exceptional mechanical stress in dry, humid and wet rooms and for outdoor use.



REELTEC® (K) NSHTÖU, (K) (N)SHTÖU

Reeling cable for winding operation, especially with tensile stress at the same time and/or torsional stress and/or compulsory cable direction. Suitable for dry, humid and wet rooms, for outdoor use and also on construction sites, in commercial and agricultural plants. For travelling up to 120 m/min.



REELTEC® KSM-S (N)SHTÖU, (N)SHTÖU+LWL

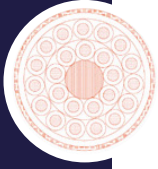
Reeling cable for winding operation, especially with simultaneously tensile stress and/or torsional stress and/or forced cable guidance. Suitable for dry, humid and wet rooms, for outdoor use and also on construction sites, in commercial and agricultural plants.



REELTEC® (N)TSCGEWÖU KSM-S

Reeling power cable also for trolley systems for power resp. data transmission for high and extreme mechanical stress such as dynamic tensile stress, multiple direction changes in different levels. Especially for mobile facilities such as fast running container cranes, crane facilities, mobile heavy equipment and diggers. Suitable for dry, humid and wet rooms and for outdoor use.





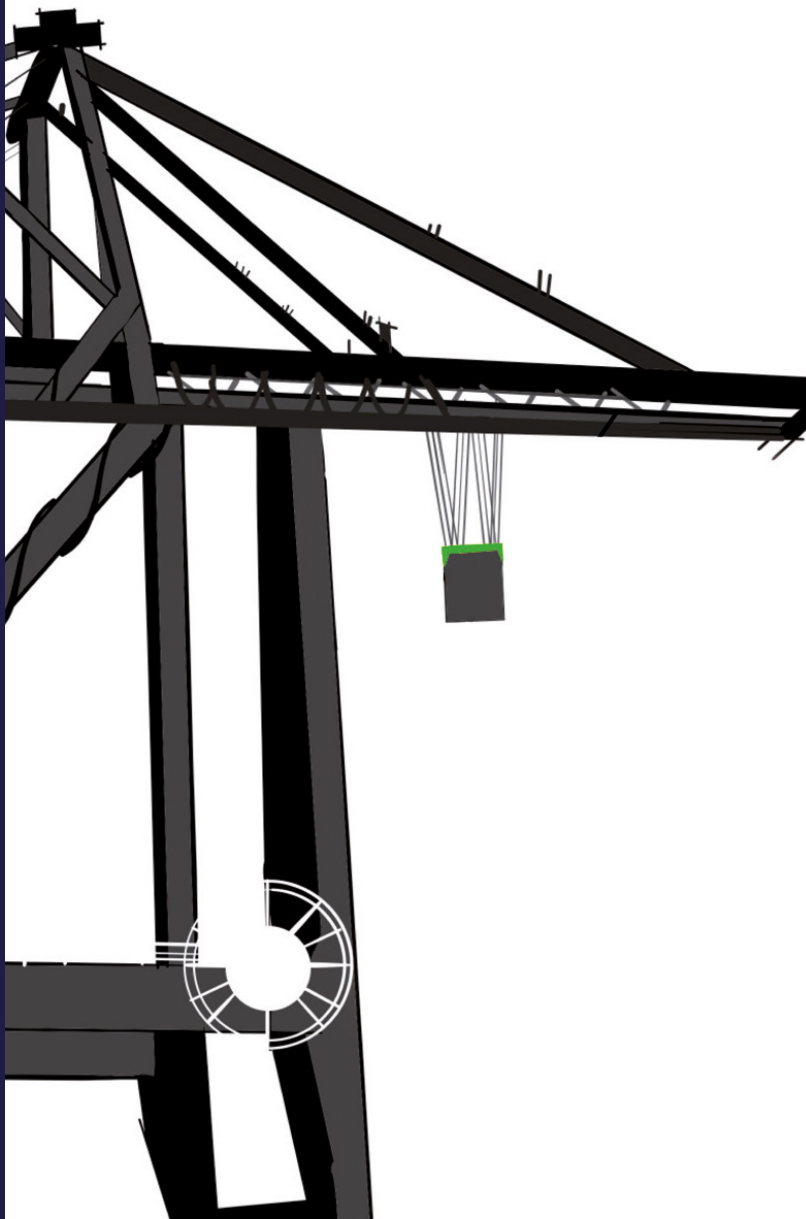
FESTOONTEC®



Power and control cables are important components in many industrial applications, especially in areas such as conveyor technology or crane systems. A special way of laying these cables is to use Festoon systems. One of the leading products on the market for Festoon applications is our **FESTOONTEC® series**. It is a state-of-the-art power and control cable designed specifically for use in Festoon systems.

A Festoon system consists of a series of cables attached to a steel cable or chain and routed along a predetermined path. This allows for flexible and safe routing of the cables while allowing for easy maintenance and inspection. In this regard, our **FESTOONTEC® series** offers high reliability and durability combined with high flexibility, making it the ideal choice for these applications.

Go directly to **FESTOONTEC® product overview** - Scan or click QR code



FESTOONTEC® Highlights

FESTOONTEC® PUR-HF - unshielded

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.



FESTOONTEC® C-PUR-HF - shielded

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.



www.tkd-kabel.de



Our product groups for Conveyor Technology

Cables have a central role in ensuring an efficient and reliable power supply as well as in the transmission of signals and data in various components and systems.

In the demanding world of materials handling, cables are used in a wide variety of ways to meet the requirements of different applications. They are used to provide reliable power to drives in conveyor systems, roller conveyors and other transport systems. The use of cables with appropriate conductor strength and high quality is essential to ensure a stable and continuous power supply. This is essential for efficient productivity and smooth control of material flow.

In addition, cables perform an essential role in the precise transmission of control signals and data. The reliable functioning of sensors and actuators for monitoring and controlling conveyor systems requires precise and reliable information transmission.



Flexible control cables

PVC-control cables

ÖPVC-JZ/OZ ARCTIC +UV Black
 ÖPVC-JZ/OZ 0,6/1kV Black
 ÖPVC-JZ/OZ-YCY 0,6/1kV Black

300/500V, unshielded, UV-resistant, cold flexible -60°C
 0,6/1kV, unshielded, UV-resistant, CPR Eca
 0,6/1kV, shielded, UV-resistant, CPR Eca

PUR-control cables, cables for hand-held machinery

ROCKERFLEX® Hardcore 3

0,6/1kV, unshielded, yellow, for extreme conditions

BUS, LAN, coaxial & video cables

BUS | FIELDBUS technology - for industrial, process & building automation

PROFIBUS DP / FMS / FIP 150 Ω

PROFIBUS DP / FMS / FIP - HF

for high flexible applications (drag chain, robotic & festoon) UL/CSA

MULTIBUS & INTERBUS 100 - 120 Ω

MULTIBUS & INTERBUS - HF

for high flexible applications (drag chain) UL/CSA

CAN BUS - ControllerAreaNetwork 120 Ω

CAN BUS - HF

for high flexible applications (drag chain) UL/CSA

DeviceNet 120 Ω

DeviceNet - HF

for high flexible applications (drag chain) UL/CSA

LAN | ETHERNET-Technology - for structured industry & building cabling

structured industry cabling

PROFINET Cat.5e - HF

for high flexible applications (drag chain, robotic & festoon)
 UL/CSA, CPR Eca version available

INDUSTRIAL ETHERNET Cat.5e - Cat.7A - HF

for high flexible applications (drag chain, robotic & festoon)
 UL/CSA

SPE - Single Pair Ethernet

for fixed installation, limited flexible & flexible use, UL/CSA

SPE - Single Pair Ethernet - HF

for high flexible applications (drag chain, robotic) UL/CSA

Control and data cables – high flexible – for use in drag chains & robotic applications

KAWEFLEX® Allround Control cables for use in drag chains

KAWEFLEX® Allround 7140 SK-TPE UL/CSA
 KAWEFLEX® Allround 7240 SK-C-TPE UL/CSA

for highest requirements, 0,6/1kV, unshielded, UL/CSA
 for highest requirements, 0,6/1kV, shielded, UL/CSA

KAWEFLEX® Allround Electronic cables for use in drag chains

KAWEFLEX® Allround 7730 SK-TP-C-TPE UL/CSA

for highest requirements, 300V, shielded, UL/CSA

Servo-drives, measurement & system cables - flexible & high flexible - for use in drag chains and robot applications

Cables for servo-drives 0,6/1kV

KAWEFLEX® SERVO 2YSL(St)CY... & 2YSL(St)CYK
KAWEFLEX® SERVO 2XSL(St)CY... & 2XSL(St)CYK

0,6/1kV, EMC optimized, double shielded, K: UV-resistant

0,6/1kV, EMC optimized, double shielded, K: cold flexible
UV-resistant

KAWEFLEX® Allround Motor cables 0,6/1kV for use in drag chains for highest requirements

KAWEFLEX® Allround 7510 SK-TPE
KAWEFLEX® Allround 7520 SK-TPE
KAWEFLEX® Allround 7610 SK-C-TPE
KAWEFLEX® Allround 7320 SK-TPE
KAWEFLEX® Allround 7420 SK-C-TPE

0,6/1kV, single core, unshielded, halogen-free, UV-resistant, UL/CSA

0,6/1kV, single core, unshielded, halogen-free, UV-resistant, UL/CSA

0,6/1kV, single core, shielded, halogen-free, UV-resistant, UL/CSA

0,6/1kV, unshielded, halogen-free, UV-resistant, UL/CSA

0,6/1kV, shielded, halogen-free, UV-resistant, UL/CSA



“
State-of-the-art
cables that deliver
extreme
performance.”

PVC-flat cables**for festoon & lift applications**

FESTOONTEC® H05VVH6-F, (H)05VVH6-F	300/500V, unshielded, HAR
FESTOONTEC® H07VVH6-F, (H)07VVH6-F	450/750V, unshielded, HAR

PVC special flat cables, unshielded and shielded**for festoon & lift applications**

FESTOONTEC® YCFLY, YFLCYK, KYCFLY, KYFLCY (EMC)	300/500V, shielded
FESTOONTEC® H05VVD3H6-F, KYFLTY, KYFLTFY, KYCFLTY, KYFLTCY (EMC)	300/500V, unshielded, steel supporting element
LIFTTEC® (H)05VE7A7VH6-F	300/500V, shielded data pairs

Polychloropren flat cables**for festoon & lift applications**

FESTOONTEC® NGFLGÖU, (N)GFLGÖU	300/500V, unshielded
FESTOONTEC® M(StD)HÖU (EMC)	0,6/1kV, shielded

Halogen-free flat cables**for festoon & lift applications**

FESTOONTEC® LSOH, LSOH-C (EMC)	bis zu 0,6/1kV, unshielded, halogen-free
--------------------------------	--

Reelable cables

REELTEC® PUR-HF	0,6/1kV, unshielded, halogen-free
REELTEC® (K) NSHTÖU, (N)SHTÖU	0,6/1kV, unshielded
REELTEC® KSM-S (N)SHTÖU+LWL	0,6/1kV, unshielded

Cables for usage in baskets

SPREADERFLEX 3GSLTOE	0,6/1kV, unshielded
----------------------	---------------------

Trailing cables 1-30 kV**for reeling applications**

REELTEC® KSM-S (N)TSCGEWÖU, (N)TSCGEWÖU + LWL	3,6/6kV to 12/20kV, unshielded
---	--------------------------------

Control cables for cable trolley systems

FESTOONTEC® PUR-HF	0,6/1kV, unshielded, halogen-free
FESTOONTEC® C-PUR-HF (EMC)	0,6/1kV, shielded, halogen-free
FESTOONFIBERFLEX PUR-HF	LWL, halogen-free

Rubber cables

Heavy rubber-sheathed flexible cables

H07RN-F, A07RN-F
H07RN-F PREMIUM
NSSHÖU

450/750V, unshielded, HAR, CPR Eca
450/750V, +90 °C, unshielded, halogen-free, HAR, CPR Eca
0,6/1kV, unshielded, VDE

Welding cables

H01N2-D, H01N2-E

100V, unshielded, HAR

Cables and wires for fixed installation

High voltage cables

NYY 0,6/1kV
NYCY 0,6/1kV

0,6/1kV, UV-resistant, direct burial, VDE, CPR Eca
0,6/1kV, shielded, UV-resistant, direct burial, VDE, CPR Eca



Service

Benefit from outstanding logistics services.

Our state-of-the-art and fully automated logistics centre in Nettetal and our logistics centres in the Netherlands, Poland, Italy and China ensure high availability of goods and fast delivery.

Our logistics – your advantage



Fully automated
Central warehouse



Drum types (disposable,
treated, untreated
in all sizes)



Rings
(All lengths, welded
in foil or blanco)



Customer markings



"Speed"
Deliveries



Site delivery



track & trace



Cladding with Lamiflex
or wood

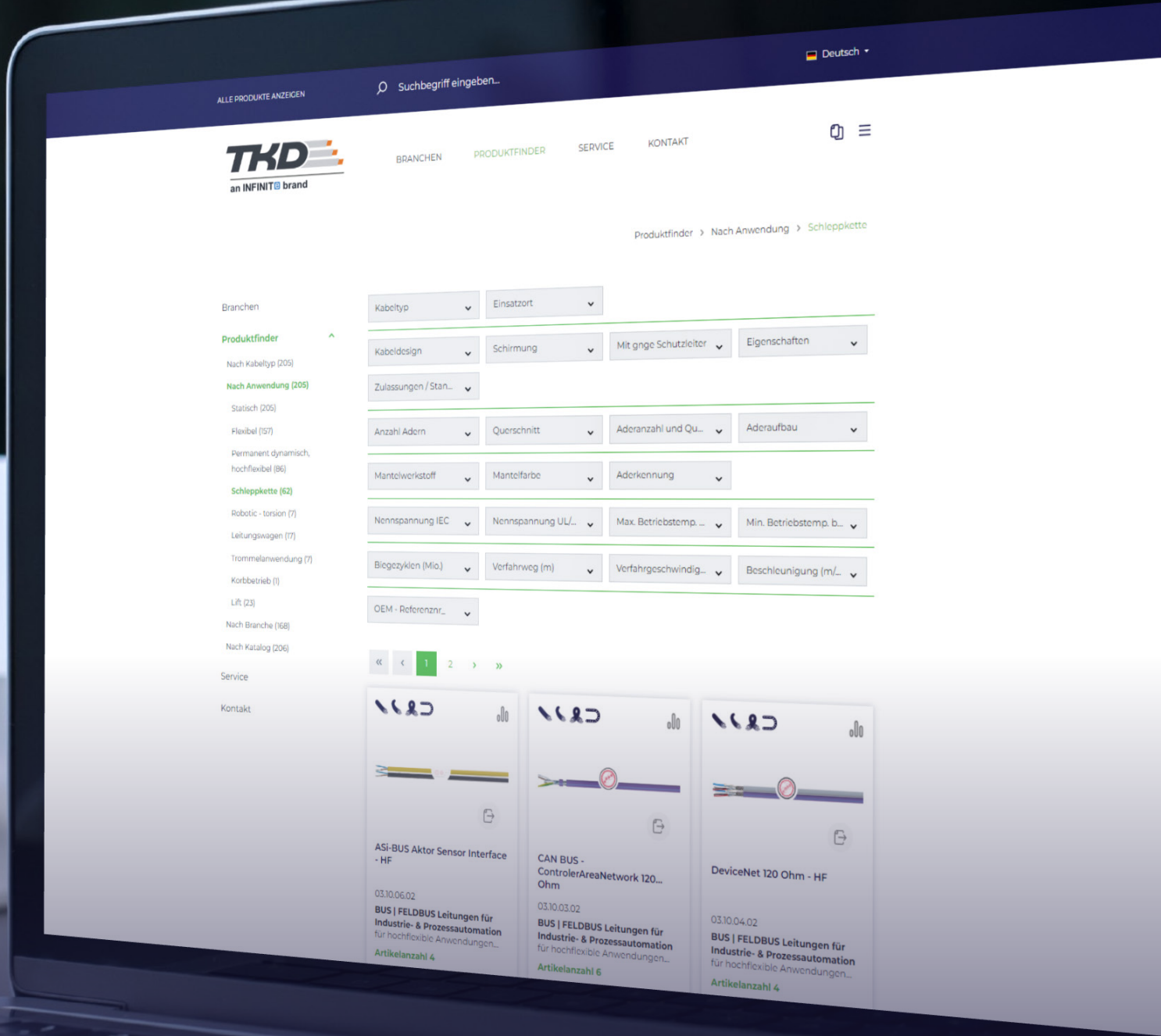


Special packaging



Ecologically compostable
filling material





**For the right choice of your cable
our product finder will help you:**



TKD CONNECTivity

Cable assembly, spiral cable, ready for connection cable and energy drag chain system

Cabling systems are the decisive basis for reliable operational processes – whether in mechanical engineering, automation technology, telecommunications or the chemical industry; whether in tank installations, in the audio, video and broadcasting sector or in security technology. Pre-assembled and ready-to-connect cable solutions from TKD help you to complete projects much more quickly and cost-effectively

With our innovative solution concepts divided into 4 areas **STANDARD**, **INDIVIDUAL**, **SERVICES** and **ADVANCED** you are also optimally positioned for all challenges.

STANDARD

- TKD CONNECT servo assemblies
- TKD CONNECT spiral cable
- TKD CONNECT network technology
- TKD CONNECT power connection cables

INDIVIDUAL

Customized solutions

SERVICES

- Logistics
- KanBan, Printing, Kitting
- Product development
- Product design
- Special packaging

ADVANCED

- Cable sets
- Cable harnesses
- Assemblies
- Woven ribbon cable
- Energy drag chain systems



TKD CONNECTivity

Service portfolio **Individual** & **Advanced**

CRIMP

SOLDERING

ULTRASONIC
VERDICT

WRAPPING

ASSEMBLY
WORK

CABLESETS

SPIRALIZATION

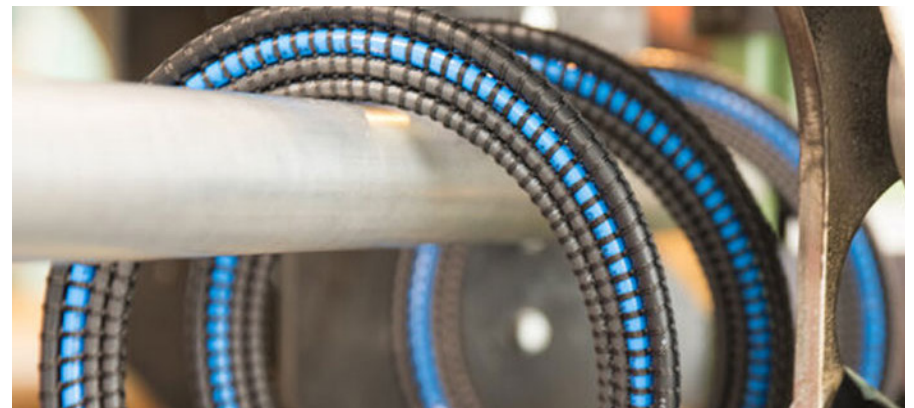
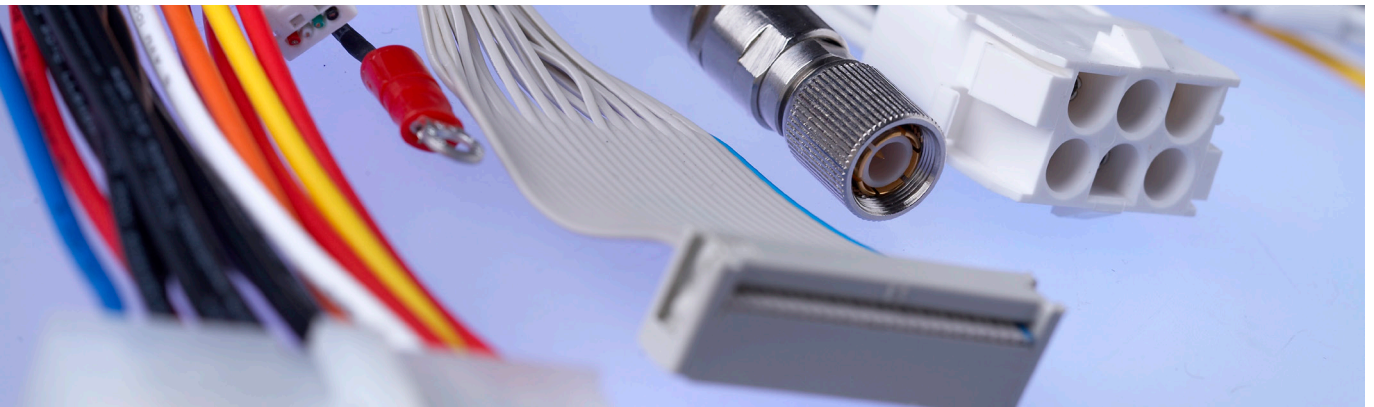
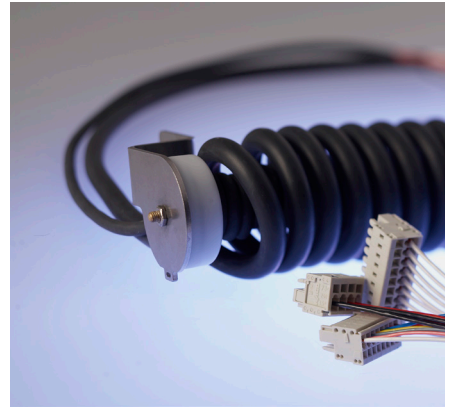
KITTING

STRIPPING

PARTIAL
STRIPPING

INDIVIDUAL
LENGTHS

WOVEN
TECHNOLOGY



TKD worldwide

Industries

Our companies are active in a broad selection of industries. Contact us to discuss our custom solutions for your specific industry.

- Machine building
- Industrial automation
- Energy
- Marine & offshore
- Automotive
- Public infrastructure
- Agriculture
- Lifts and escalators
- Transportation infrastructure
- Cranes & material handling
- Train, tram and metro industry
- Telecommunication and datacentres
- Food & beverage





TKDE
an INFINIT® brand

About Infinite Electronics

Infinite Electronics has a global portfolio of leading in-stock connectivity solution brands. Infinite's brands help propel the world's innovators forward by working urgently to provide products, solutions and real-time support for their customers. Infinite's brands serve customers across a wide range of industries with a broad inventory selection, same-day shipping and 24/7 customer service. Learn more at infiniteelectronics.com.

TKD Kabel GmbH

An der Kleinbahn 16

41334 Nettetal

Phone +49 (0) 2157 8979-0

E-Mail info@tkd-kabel.de

www.tkd-kabel.de