Elevator construction

Cable and CONNECTivity

Upwards with TKD: The right cable solution for every shaft.

Smart networking, data-driven analyses and new comfort functions - everything that has long been moving the industry since the advent of the Internet of Things and Industry 4.0 does not stop at lifts. Long gone are the days when every switch in the cabin had to be individually wired to a relay in the control cabinet. Modern BUS systems have become essential in lifts as well.

State-of-the-art are infotainment functions, analysis options for error detection or predictive maintenance and smart solutions that offer versatile possibilities for use, such as control via app. In safety-critical areas, access control systems and video surveillance are also required. Emergency call systems are no longer a purely acoustic matter, but modern video communication systems.

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
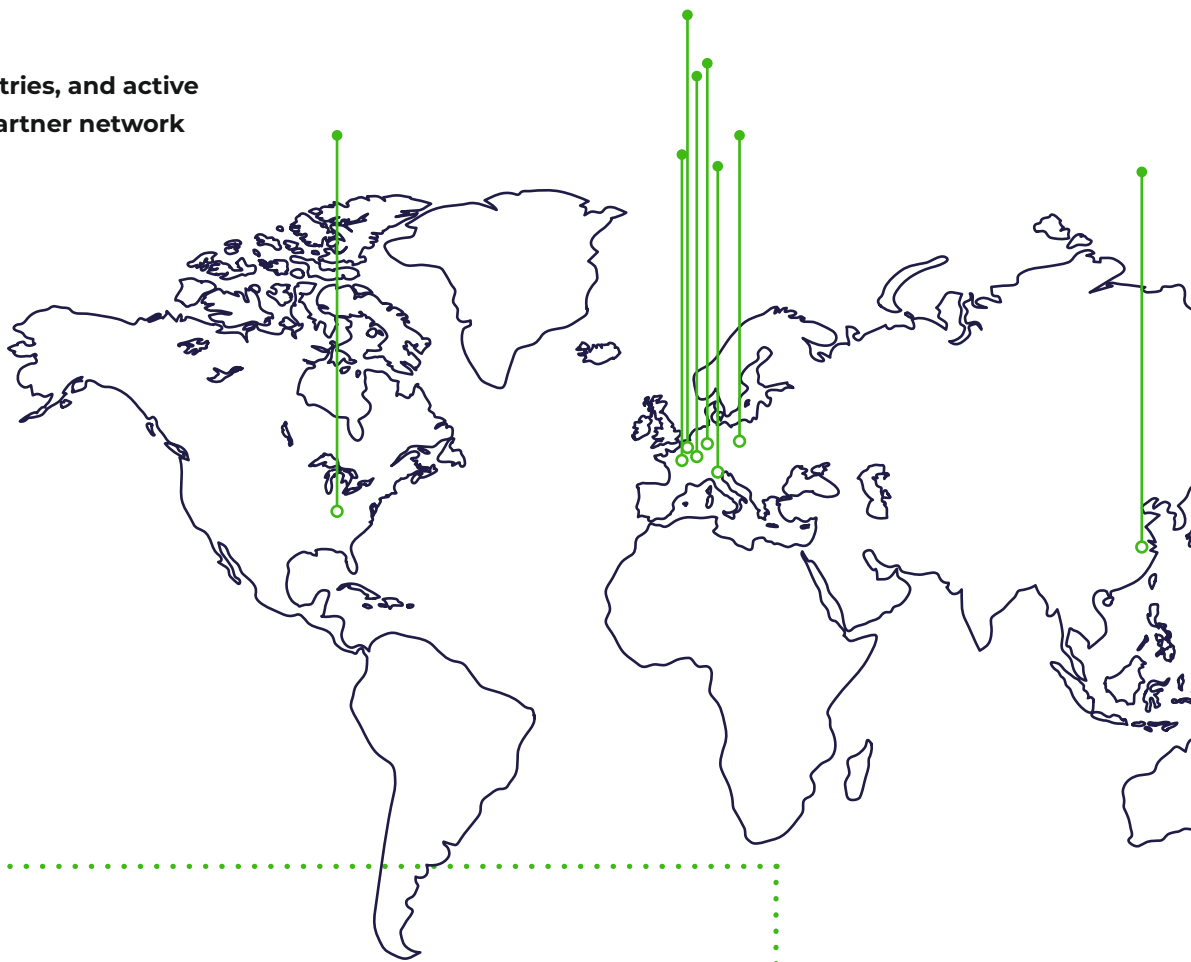
Globally active

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.

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" *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

Traveling cable selection guide

In the field of Traveling cables we offer a wide standard portfolio. In addition to our standard products, we will be happy to develop special Traveling cables together with you to suit your application.

| traveling cable - type	const-ruction	type			shielding		sup-porting element	halogen-free	suspen-sion height, m	speed, m/s
		Control cable	Data cable	Hybrid cable	Element shield	Total shield				
FESTOONTEC® H05VVH6-F, (H)05VVH6-F	flat	x							45m	1,6 m/s
FESTOONTEC® H07VVH6-F, (H)07VVH6-F	flat	x							35m	1,6 m/s
FESTOONTEC® YCFLY, YFLCY (EMC)	flat	x			x				35m	1,6 m/s
FESTOONTEC® KYCFLY, KYFLCY (EMC)	flat	x			x				35m	1,6 m/s
FESTOONTEC® H05VVD3H6	flat	x					x		75m	1,6 m/s
FESTOONTEC® KYFLTY	flat	x					x		80m	1,6 m/s
FESTOONTEC® KYFLTFY	flat	x	x	x			x		50m	1,6 m/s
FESTOONTEC® KYFLTCY (EMC)	flat	x	x		x				35m	1,6 m/s
LIFTTEC® (H)05VE7A7VH6	flat	x	x	x	x				45m	6,0 m/s
FESTOONTEC® LSOH	flat	x						x	35m	6,0 m/s
LIFTTEC® KYSTY-MR-JZ	round	x					x		60m	1,6 m/s
LIFTTEC® FLGÖU	round	x					x		80m	1,6 m/s
LIFTTEC® K12YSTU11Y	round	x					x	x	50m	1,6 m/s
LIFTTEC® KYSTCY-MR (EMC)	round	x				x	x		60m	1,6 m/s
LIFTTEC® KYSTFY-MR	round	x	x	x	x		x		60m	1,6 m/s
LIFTTEC® STCN (EMC)	round	x				x	x		80m	1,6 m/s
LIFTTEC® K9YSTFU11Y	round	x	x	x	x		x	x	50m	1,6 m/s
LIFTTEC® K12YSTCU11Y (EMC)	round	x			x	x	x	x	50m	1,6 m/s
LIFTTEC® K2YSTFU11Y	round	x	x	x	x		x	x	40m	1,6 m/s
LIFTTEC® YSSTCY (EMC)	round		x			x	x		50m	1,6 m/s
LIFTTEC® YSSTVCY (EMC) - inkl. Coax 75Ω	round		x	x	x	x	x		50m	1,6 m/s
LIFTTEC® CAT.7 - PVC	flat		x		x	x	x		80m	10,0 m/s
LIFTTEC® CAT.7 - H-LC	flat		x		x	x	x	x	120m	6,3 m/s
LIFTTEC® CAT.7 - H	flat		x		x	x	x	x	80m	10,0 m/s
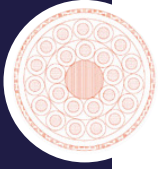
LIFTTEC®

Our **LIFTTEC® series** is particularly durable, suitable for mechanical stress and thus ideal for use in elevator applications. It is used to supply elevator applications with power, control pulses and data transmission and to meet the modern requirements of the IIoT, such as smart networking, convenience and data-driven analysis. Our portfolio includes elevator control cables and data cables, as round or flat cables, with or without supporting elements.

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

LIFTTEC® Highlights

LIFTTEC® KYSTY-MR

high-flexible lift control cable with supporting element for medium mechanical stress. Suitable for dry and humid rooms.

LIFTTEC® CAT.7 – H

data cable for communication with a personal computer in the elevator car or for networking purposes according to CAT.7 specifications. Suitable in dry and humid rooms.

LIFTTEC® FLGÖu

power and control cable in lift and conveyor facilities, machine-tools and construction machines, hoisting devices, dockyards and especially for teach pads as well as all weatherproofed machinery and facilities. Suitable for dry, humid and wet rooms also outdoor.

LIFTTEC® STCN (EMC)

lift cable, for trailing cable installation, drag chains and as control cable in conveyor facilities, machine-tools or as measure and signal transmission cable. Suitable for dry, humid and wet rooms and outdoor use.

LIFTTEC® lift components/ suspension sets LAR X, LAF 50, LAF 75 and LAF 90.

Cable suspension sets for wall and cabin mounting including mounting screws and mounting plates.

LAR X
Plastic suspension for 1-2 round cables
with external ⌀ 6.0 – 26.0 mm

LAF 50
Plastic suspension for 1-2 flat cables
up to max. 50.0 x 10.0 mm

LAF 75
Plastic suspension for 1-3 flat cables
up to max. 75.0 – 15.00 mm

LAF 90
Plastic suspension for 1-3 flat cables
up to max. 90.0 x 18.0 mm

Assembly of lift cables

Especially with the ever-increasing requirements, the assembly should not become an additional problem. We can provide you with a ready-to-install plug-and-play solution for many cables. This saves you time and effort in the shaft and you can concentrate on your own core competence.

Our product groups for elevator construction.

Whether network cables or bus cables, NYM cables for the safety circuits, motor connection cables, hybrid – Power&Data, cables for brakes, single-core wiring for the control cabinet as well as ordinary control cables and sensor-actuator wiring: TKD standard portfolio covers all requirements for today's lift systems.

Whether it is a question of passenger elevators or freight elevators, some of which have particularly high requirements in terms of resistance or load-bearing capacity, or load-bearing capacity. We offer various designs of elevator control cables, which differ depending on the application.

Our cables are thus an important component in elevator applications and contribute to a safe and reliable power and data supply. Should you ever reach your limits with our standard range, we are just as happy to support you in the development of a protected, customer-specific special cable for your own control system.

| Traveling cable | Motor connection | Components | Floor cabling | Doors | Brake |

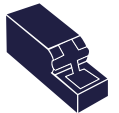| Infotainment, data and communication | Supply cables | Cabinet wiring | Safety circuit and earthing | Assemblies | Accessories |

01 Flexible control cables

PVC-control cables

ÖPVC-JB/OB   300/500V, 450/750V, 0,6/1kV, unshielded, CPR Eca

ÖPVC-JB/OB-YCY   300/500V, 0,6/1kV, shielded, transparent, CPR Eca

ÖPVC-JZ/OZ   300/500V, unshielded, CPR Eca

ÖPVC-JZ/OZ-YCY   300/500V, shielded, transparent, CPR Eca

ÖPVC-JZ/OZ-CY (LIYCY-JZ/OZ)   300/500V, shielded, CPR Eca

Halogen-free control cables

FLAME-JZ/OZ-H FRNC - Dca   300/500V, unshielded, CPR Dca

FLAME-JZ/OZ-CH FRNC - Dca   300/500V, shielded, CPR Dca

Special single cores

ESUY opper ground wire   2kV Earthing Wire, shielded, transparent

02 Electronic (LF), instrumentation & telecommunication cables
Cables for intrinsically safe circuits

Electronic cables

ELITRONIC® LIYY   DIN47100, 250V, unshielded, CPR Eca

ELITRONIC®-CY LIYCY   DIN47100, 250V, shielded, CPR Eca

PAARTRONIC®-CY LIYCY (TP)   DIN47100, 250V, twisted pairs, shielded, CPR Eca

PAARTRONIC®-CY-CY LIYCY-CY (TP)   DIN47100, 250V, twisted pairs, double shielded,
                                        CPR Eca

Halogen-free electronic cables

ELITRONIC®-CH LIHCH   DIN47100, 250V, shielded, CPR Eca

PAARTRONIC®-CH LIHCH (TP)   DIN47100, 250V, twisted pairs, shielded, CPR Eca

Hook up and installation cables

JE-Y(ST)Y Bd & JE-Y(ST)Y Bd EB   VDE0815, 225V, shielded, CPR Eca

Telecommunication cables

J-Y(St)Y Lg   VDE0815, 300V, shielded, CPR Eca

J-H(ST)H Bd   VDE0815, 300V, shielded, halogen-free,
                                        different CPR versions available

03 BUS, LAN, coaxial & video cables

PROFIBUS DP / FMS / FIP 150 Ohm & PROFIBUS PA 100 Ohm

PROFIBUS DP / FMS / FIP 150 Ohm

for fixed installation & limited flexible applications, UL/CSA, different CPR versions available

MULTIBUS & INTERBUS 100 - 120 Ohm

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

MULTIBUS & INTERBUS 100 - 120 Ohm - HF

for high flexible applications (drag chain) UL/CSA

CAN BUS - ControlerAreaNetwork 120 Ohm

FLAME-JZ/OZ-H FRNC - Dca

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

FLAME-JZ/OZ-CH FRNC - Dca

for high flexible applications (drag chain) UL/CSA

LAN | ETHERNET-Technology - for structured building cabling

LAN Cat.7 - 600, Cat.7A - 1000 & Cat.7e -1200..1500

for fixed installation & patch applications, different CPR versions available

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

KAWEFLEX® Control cables for use in drag chains

KAWEFLEX® 6310 SK-PVC UL/CSA

for normal requirements, DIN47100, 300V, unshielded, UL/CSA

KAWEFLEX® 6330 SK-PUR UL/CSA

for high requirements, DIN47100, 300V, unshielded, halogen-free, UL/CSA

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

KAWEFLEX® SERVO 2YSL(St)CY... & 2YSL(St)CYK... 0,6/1 kV EMC
0,6/1kV, EMC optimized, double shielded, K: UV-resistant

KAWEFLEX® SERVO 2XSL(St)CY... & 2XSL(St)CYK... 0,6/1 kV EMC
0,6/1kV, EMC optimized, double shielded, K: cold flexible UV-resistant

KAWEFLEX® SERVO 2XSL(St)CHK... FRNC 0,6/1kV EMC
0,6/1kV, EMC optimized, double shielded, halogen-free, K: cold flexible, UV-resistant, CPR Cca

KAWEFLEX® 5er Series - Cables for servo-drives 0,6/1kV

for drag chain applications

KAWEFLEX® 5268 SK-C-PVC SERVO 0,6/1kV
0,6/1kV, unshielded, UL/CSA, n..MC500

KAWEFLEX® 5288 SK-C-PUR UL/CSA SERVO 0,6/1kV
for high requirements, 0,6/1kV, shielded, UL/CSA , n..MC800 PLUS

"State-of-the-art cables that deliver extreme performance.

Crane, conveyor and lift cables

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

for lift applications

LIFTTEC® (H)05VE7A7VH6-F   300/500V, shielded data pairs

Halogen-free flat cables

for festoon & lift applications

FESTOONTEC® LSOH, LSOH-C (EMC)   bis zu 06/1kV, unshielded, halogen-free

PVC lift cables

LIFTTEC® KYSTY, KYSTUY   300/500V, unshielded, textile supporting element
LIFTTEC® KYSTY-MR   300/500V, unshielded, textile supporting element, for mid rise

LIFTTEC® YSSTCY, YSSTVCY (EMC)   DIN47100, 300V, shielded, steel supporting element
LIFTTEC® KYSTCY, KYSTCUY (EMC), KYSTFUY   300/500V, shielded, textile supporting element
LIFTTEC® KYSTCY-MR (EMC), KYSTFY-MR   300/500V, shielded, textile supporting element, mid rise supported

LIFTTEC® CAT.7 - PVC   Cat7., shielded, steel supporting elements

Halogen-free lift cables

LIFTTEC® K12YSTU11Y   300/500V, unshielded, halogen-free, textile supporting element
LIFTTEC® K9YSTCU11Y, K2YSTFU11Y, K9YSTFU11Y   300/500V, element shielded, halogen-free, textile supporting element
LIFTTEC® CAT.7 - H   Cat.7, shielded, halogen-free, steel supporting element, premium version
LIFTTEC® CAT.7 - H-LC   Cat.7, shielded, halogen-free, steel supporting element

PVC control cables with and without supporting element

for lift applications

LIFTTEC® YMHY-KT   300/500V, unshielded, textile supporting element
LIFTTEC® YMHY-KST   300/500V, unshielded, steel supporting element
LIFTTEC® FYMYTW   300/500V, unshielded, 2 steel supporting elements

Polychloropren control cables with supporting element

for lift applications

LIFTTEC® FLGÖU   300/500V, unshielded, textile supporting element
LIFTTEC® STN   300/500V, unshielded, textile supporting element
LIFTTEC® STCN (EMC)   300/500V, shielded, textile supporting element

09   Cables and wires for fixed installation

PVC-insulated wiring cables
LIYvz, H05V-K, H07V-K   300/500V, 450/750V, Hook-up wires, HAR, CPR Eca

Halogen-free wiring cables
LIHvz, H05Z-K, H07Z-K   300/500V, 450/750V, Hook-up wires, HAR,CPR Eca

Installation cable
NYM   300/500V, VDE, CPR Eca

Halogen-free installation cable
NHXMH   300/500V, VDE, CPR Dca

High voltage cables
NYY 0,6/1kV   0,6/1kV, UV-resistant, direct burial, VDE, CPR Eca

17   Networking. RJ45, Cat.6A.

Plug
RJ45 Cat.6a plug
field-wireable 10Gbit/s, Industrial use

Socket
RJ45 Cat.6a jack
field-wireable 10Gbit/s, Industrial use

Mounting rail
RJ45 Cat.6a mounting rail
field-terminable, 10Gbit/s, Industrial use

Pressing tool
RJ45 Cat.6a
crimping tool for field-wireable plugs and sockets

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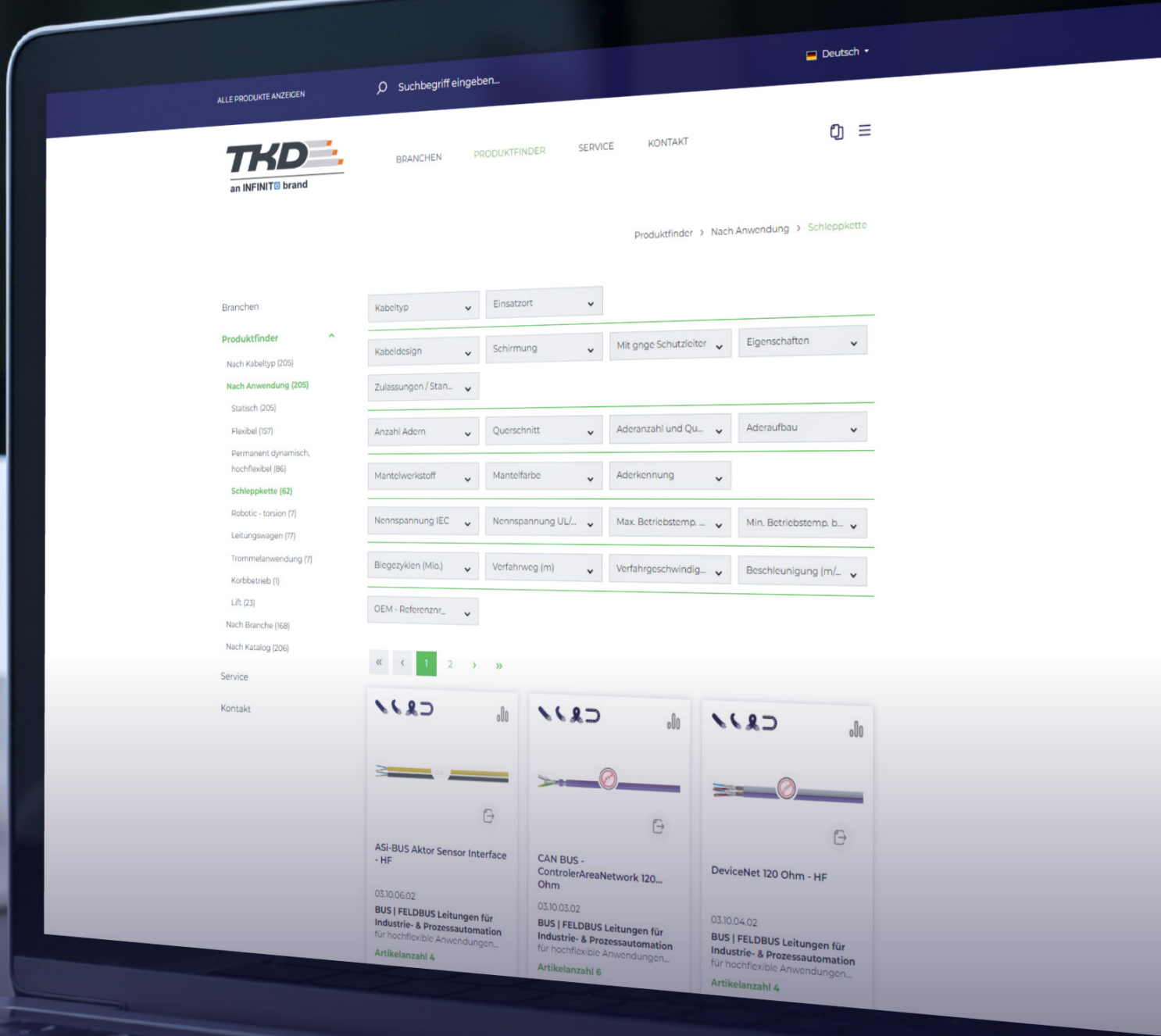
For the right choice of your cable our product finder will help you:

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
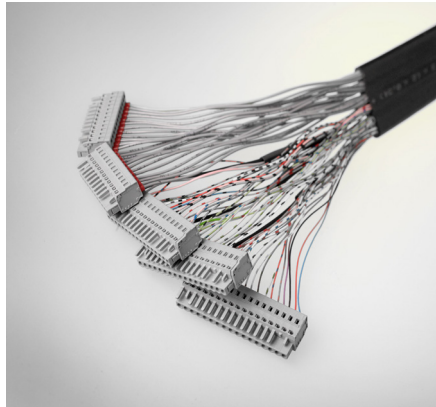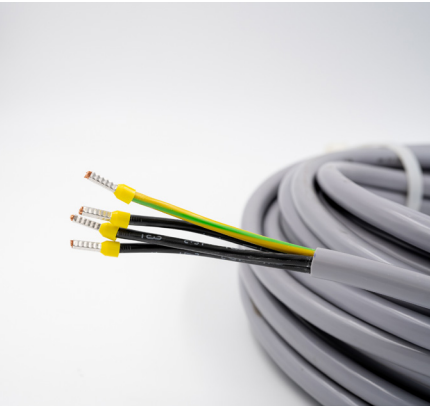Product development
Product design
Special packaging

ADVANCED

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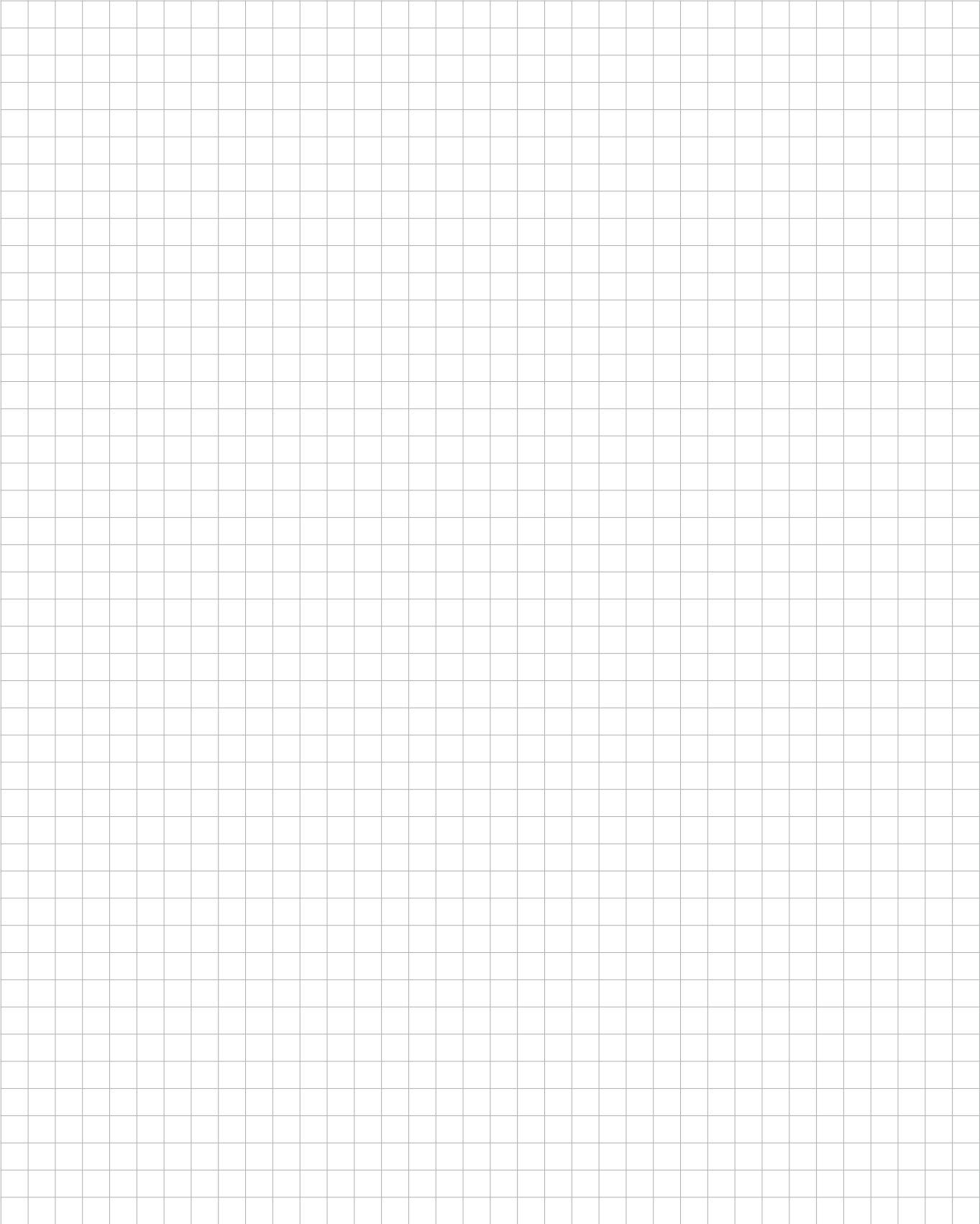Assemblies
Woven ribbon cable
Energy drag chain systems

TKD CONNECTivity

Service portfolio Individual & Advanced

CRIMP	SOLDERING	ULTRASONIC VERDICT
WRAPPING	ASSEMBLY WORK	CABLESETS
SPIRALIZATION	KITTING	STRIPPING
PARTIAL STRIPPING	INDIVIDUAL LENGTHS	WOVEN TECHNOLOGY

Notes

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

TKD

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. Backed by Warburg Pincus, 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.

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