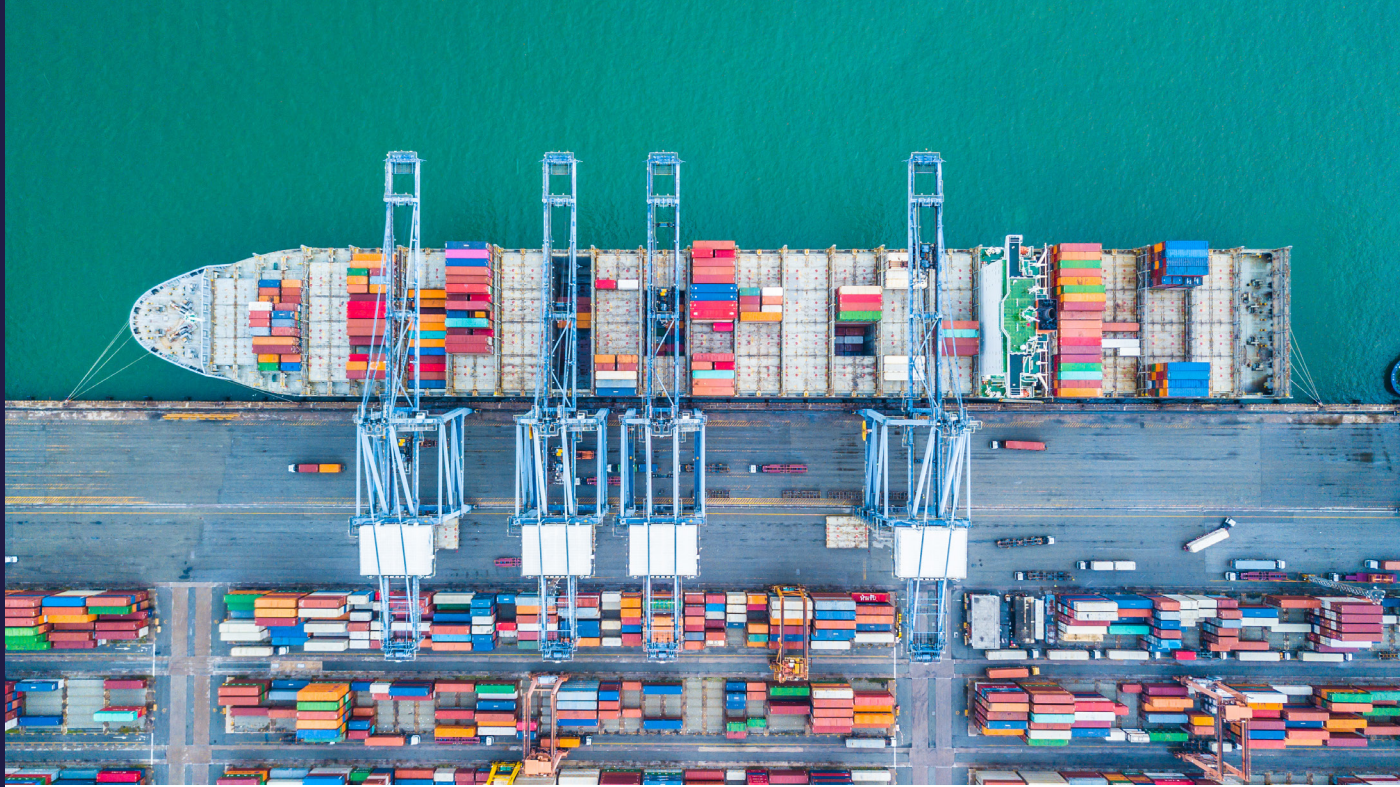




# Crane and Lifting Equipment

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Cable and CONNECTivity



## Lighter, smaller, more versatile: The requirements for cables in the crane.

Digitalization and automation are also progressing in cranes and conveyor systems. Many port facilities run fully automatically and increase the speeds at which goods have to be shipped and unloaded due to increasingly shorter handling times. For the wiring used, this means that they have to provide more and more functions and withstand environmental influences such as strongly fluctuating temperatures, high conveying speeds and aggressive, salty air.

Cranes and conveyor systems require extreme power and data cables. Not infrequently, arm-thick cables have to be wound up and unwound from reels and cable trolleys at several meters per second. Due to the increasing digitalization, hybrid cables are necessary to withstand harsh external conditions for a long time and safely transport large amounts of data. We have the know-how and broad portfolio to always offer the right solution.

**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.















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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.***

# Application Overview Crane cables

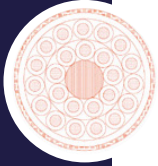
Crane cables are an important part of crane systems and help to ensure the safety and efficiency of their operation. They are responsible for transporting loads and enable the crane to carry out its movements.

In this application overview, we present the different cable routing systems and the matching cable solution.

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 (EMC)	-	-	-	++	-	0	-	-	-	06.02.03
FESTOONTEC® NGFLGÖU, (N)GFLGÖU	-	-	-	++	-	0	-	-	-	06.03.01
FESTOONTEC® M(StD)HÖU (EMC)	-	-	-	++	-	0	-	-	-	06.03.02
FESTOONTEC® LSOH, LSOH-C	-	-	-	++	-	0	-	-	-	06.04.01
FESTOONTEC® PUR-HF	+	0	-	++	0	+	-	-	-	06.12.01.01
FESTOONTEC® C-PUR-HF	-	-	-	++	0	+	-	-	-	06.12.02.01
FESTOONTEC® FIBER RUBBER	+	-	-	++	0	+	-	-	-	06.12.05.02
FESTOONFIBERFLEX PUR-HF	+	-	-	++	0	+	-	-	-	06.12.05
REELTEC® PUR-HF	+	++	++	+	++	+	++	-	-	06.09.10.01
REELTEC® (K) NSHTÖU, (N)SHTÖU	++	+	0	++	0	+	-	-	-	06.09.13.01
REELTEC® KSM-S (N)SHTÖU-J, (N)SHTÖU-J + LWL	+	++	++	0	0	+	0	-	-	06.09.16.01
REELTEC® KSM-S (N)TSCGEWÖU, (N)TSCGEWÖU + LWL	+	+	++	++	0	0	++	-	-	06.11.03
LIFTTEC® FLGÖU	0	-	-	0	-	0	-	++	0	06.08.01
LIFTTEC® STN	0	-	-	0	-	++	-	++	0	06.08.02
LIFTTEC® STCN (EMC)	-	-	-	0	-	++	-	++	-	06.08.03
LIFTTEC® YMHY-KT	-	-	-	-	-	-	-	++	-	06.07.01
LIFTTEC® YMHY-KST	-	-	-	-	-	-	-	++	-	06.07.02
LIFTTEC® FYMYTW	-	-	-	-	-	-	-	-	-	06.07.05

++ main application  
+ suitable  
0 conditionally suitable  
- not suitable





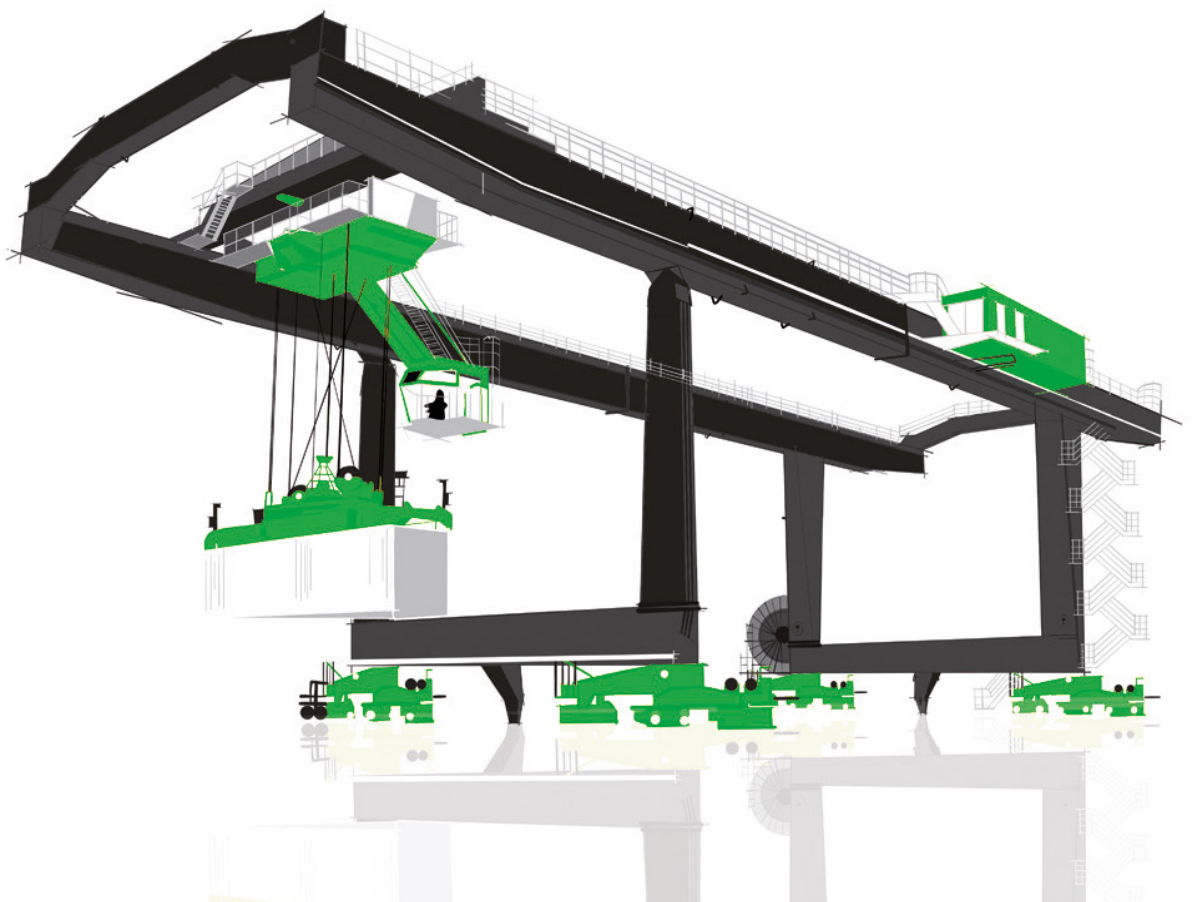
**REELTEC®**



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

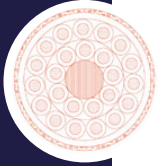
Reeling cable for winding operation, especially with simultaneously tensile stress and/or torsional stress and/or forced cable guidance. Suitable for dry, humid and wet rooms, for outdoor use and also on construction sites, in commercial and agricultural plants.



### 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.





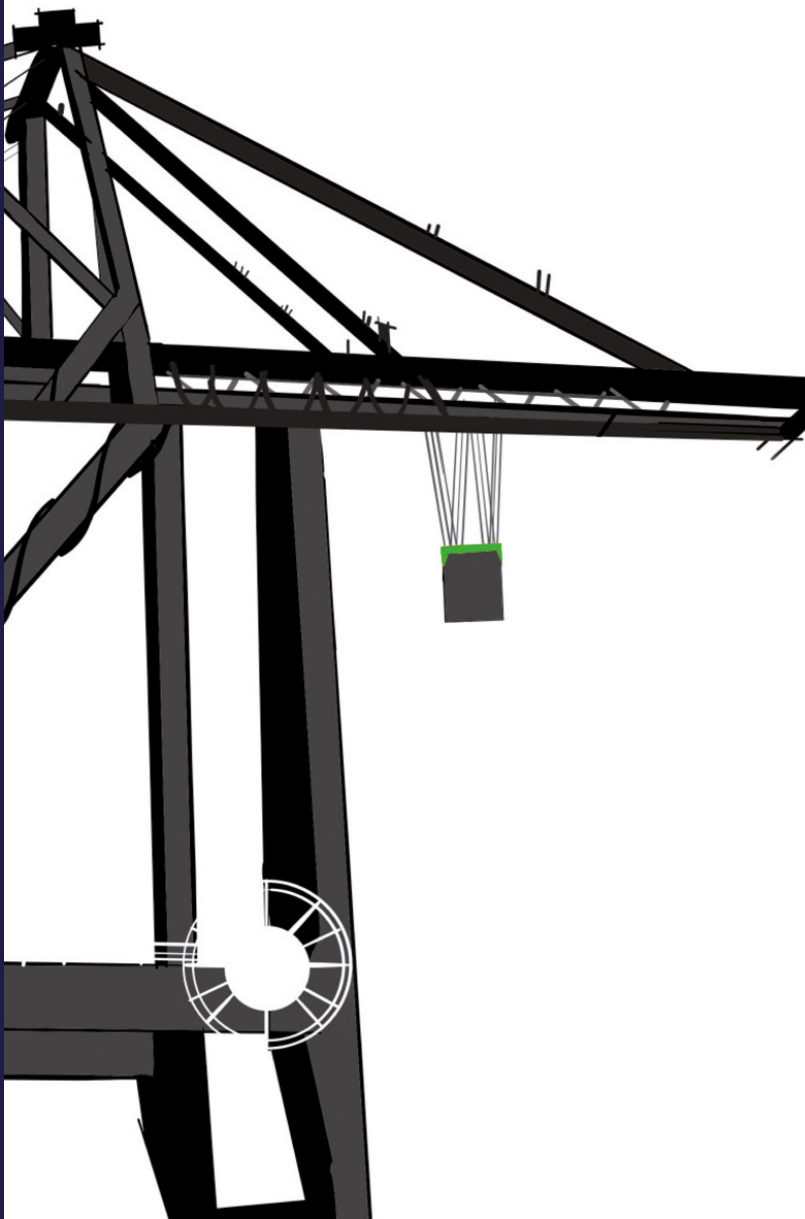
**FESTOONTEC®**



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.

