



## WE BRING THE POWER TO YOUR CRANE BUSINESS

REGIONAL PARTNERSHIP FOR MRO DEMAND  
Two strong brands, one strong goal: to keep your business moving!

Our offer belongs to the following countries:



FRANCE



GREECE



DENMARK



PERU



ECUADOR



CENTRAL AFRICA

Your personal contact:



## Application

Terminal operators requires ever-increasing performance of machines and methods. This has led to the technologically advanced machines in use today. These special, movable equipments require medium voltage flexible reeling cables for power supply for instance, suitable for operation under the most extreme conditions.

Prysmian and Draka branded flexible reeling, festoon, basket and chain cables for cranes and material handling equipment have been field-proven worldwide for decades. In these crane applications, particular requirements such as mechanical strength and safety have led to the use of high-grade mechanically resistant rubber.

Prysmian Group has developed extensive know-how over many years about the special operational conditions of cranes and material handling equipment. The decisive factor was close cooperation with many significant terminal operators and crane and reel manufacturers.

The experience we gain every day contributes to the design of our crane cables. The high operational reliability and service life of Prysmian's flexible reeling, festoon, basket and chain cables for cranes and material handling is based on this experience.

TKD Kabel supplies cables in crane and material handling business over several decades. These long years experiences offers professional advice to cable requirements and design.

Prysmian Group and TKD Kabel are partners for decades. Together we can offer you an unique all-round service: Fast and reliable to minimize your down-time. TKD Kabel is able to deliver the requested spare parts short-term, due to its excellent warehouse with high-quality cables from Prysmian.

As the worldwide leader in the cable industry, Prysmian Group believes in the effective, efficient and sustainable supply of energy and information as a primary driver in the development of communities.

With this in mind, we provide major global organisations in many industries with best-in-class cable solutions, based on state-of-the-art technology. Through two renowned commercial brands - Prysmian and Draka - based in almost 50 countries, we're constantly close to our customers, enabling them to further develop the world's energy and telecoms infrastructures, and achieve sustainable, profitable growth.

In our energy business, we design, produce, distribute and install cables and systems for the transmission and distribution of power at low, medium, high and extra-high voltage. In telecoms, the Group is a leading manufacturer of all types of copper and fibre cables, systems and accessories - covering voice, video and data transmission.

Drawing on over 130 years' experience and continuously investing in R&D, we apply excellence, understanding and integrity to everything we do, meeting and exceeding the precise needs of our customers across all continents, at the same time shaping the evolution of our industry.

TKD KABEL, with a range of over 30,000 different products, has ranked among the globally leading suppliers of cables, ready-made cable systems and cable accessories for more than 60 years.

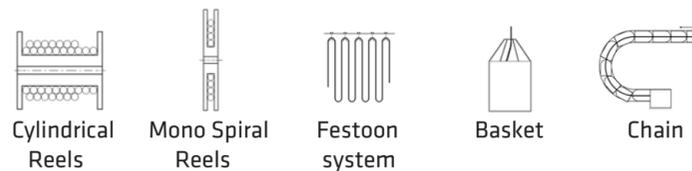
Besides traditional industrial applications, our core competencies include highly complex cable solutions for cranes and conveyance systems. True to our motto of "Cables in motion", we work hard every day to keep your business constantly moving and thus economically successful. Our customer relations are based on close partnerships and characterized above all by one vital factor: professional technical consultation. Our ultra-modern, fully automatic logistics centre in Nettetal ensures high product availability and fast deliveries both in Germany and abroad.

To meet demand from international customers on-site, we are represented in many countries worldwide by subsidiaries of our own as well as distribution partners.

We combine the innovative strength and closeness to customers of a medium-sized company with the high performance and reliability of a leading European technology group. As a member of the internationally operating TKH Group, TKD KABEL has direct access to all production steps of fibre-optic and copper cabling, from research and development all the way to final cable assembly.

Our goal is to always find the best possible solution for you, despite how complex or individual your needs may be.

## Application Groups



	Cylindrical Reels	Mono Spiral Reels	Festoon system	Basket	Chain
<b>Low voltage reeling cables</b> CORDAFLEX (SMK)	+	+	+		
<b>Low voltage reeling cables for E-RTGs</b> CORDAFLEX (SMK)	+	+	+		
<b>Low voltage cables for vertical reeling</b> CORDAFLEX (SMK)-V	+	+			
<b>Low voltage cables for basket operation</b> SPREADERFLEX				+	
<b>Round low voltage cables for festoon operation</b> RONDOFLEX RONDOFLEX (C)-FC	+	+	+		
<b>Flat low voltage cables for festoon operation</b> PLANOFLEX			+		
<b>Low voltage cables for chain operation</b> RONDOFLEX (CHAIN)					+
<b>Cables for data transmission</b> OPTOFLEX	+	+	+		

+ main application  
+ suitable

## Benefits

Prysmian Group's flexible electric cables for cranes and material handling equipment offer significant benefits to a broad variety of specialized industry professionals such as OEMs, specifiers, contractors, installers, terminal operators and more. These benefits include:

### Unique Mechanical Performance

Prysmian Group's crane cables have been designed to withstand extreme conditions.

### Chemical and Climate Resistance

Prysmian has developed the high performance compounds that are used in flexible electric cables for cranes and material handling equipment to guarantee resistance to extreme conditions and harsh environments.

### Miniaturised

Prysmian Group's crane cables have the smallest possible dimensions.

### Customised and Multifunctional Engineering

Prysmian designs and manufactures cables according to specific customer needs.

### Longer Lifetime

Prysmian Group's crane cables guarantee an extended working lifetime (lower failure rate) in comparison with standard and traditional flexible electric cables for cranes and material handling equipment.

## Best Product Offer

In order to achieve a reliable and best product performance of your crane you have to put also a special focus on your flexible cables. Prysmian Group is the world market leader in this dedicated segment and has special cable solutions which were proofed in long terms.

Our premium flexible cable types for cranes and material handling equipment made in Germany are:

<b>CORDAFLEX® (SMK)/-V</b>							
Designation	Dimension	Cores	Outer Sheath	Approvals	Tensile Load	Speed	Temp. (moving)
(N)SHTOEU	based on DIN VDE 0250 part 814	Power: 3C+3G, 4C, 5C Control: multicores	Rubber	VDE Reg. GOST-R	30 N/mm <sup>2</sup>	240 m/min	-35°C/+80°C (special to -45°C on request)
(N)SHTOEU	based on DIN VDE 0250 part 814	Control: multicores (also with LWL)	Rubber	GOST-R	30 N/mm <sup>2</sup> + aramid support element	240 m/min	-35°C/+80°C (special to -45°C on request)

<b>PLANOFLEX®</b>							
Designation	Dimension	Cores	Outer Sheath	Approvals	Tensile Load	Speed	Temp. (moving)
NGFLGOEU	DIN VDE 0250 part 809	Power: 4C, 5C, 7C Control: multicore (also with IS and TSP)	Rubber	VDE, GOST-R, UL-File E 113313	15 N/mm <sup>2</sup>	180 m/min	-35°C/+80°C

<b>SPREADERFLEX®</b>							
Designation	Dimension	Cores	Outer Sheath	Approvals	Tensile Load	Speed	Temp. (moving)
3GSLTOE-J/-0	based on DIN VDE 0250	Control: multicores (also with LWL or TSP)	PUR	VDE	Increased tensile load through additional support element	160 m/min	-40°C/+80°C

<b>OPTOFLEX®</b>							
Designation	Dimension	Cores	Outer Sheath	Approvals	Tensile Load	Speed	Temp. (moving)
	based on FDDI, ISO/IEC 9314T.3, DIN VDE 0888	Fiber types: G62.5/125µ, G50/125µ, E9/125µ 6, 12, 18, 24 elements	Rubber		500 N	Reeling: 120 m/min Festoon: 240 m/min	-35°C/+80°C

<b>RONDOFLEX®</b>							
Designation	Dimension	Cores	Outer Sheath	Approvals	Tensile Load	Speed	Temp. (moving)
(N)GRDGOEU Rubber	Optimized on DIN VDE 0250 part 814	Power: 1C, 3C+3G, 4C, 5C Control: multicores (also with BUS of TSP)	Rubber	VDE, GOST-R	15 N/mm <sup>2</sup>	240 m/min	-35°C/+80°C

