

Crane cables

Product overview



Prysmian
Group

Linking the future

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 three renowned commercial brands – Prysmian, Draka and General Cable – 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 and 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.





What we offer

Elastomeric cables are the natural choice for applications where durability, flexibility, and safe operation under extreme conditions are important. The Prysmian Group's elastomeric cables have been "field proven" in thousands of operations, and with continuous development, utilise the best features of cables offered around the world.

Prysmian Group has developed extensive know-how over many years regarding the special operational conditions of cranes equipment. The decisive factor was close cooperation with many significant terminal and crane operators. The experience we gain every day contributes to the design of our cables. The high operational reliability and service life of our cable solutions are based on this experience.

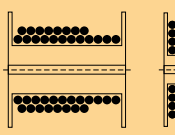

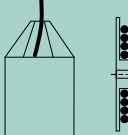

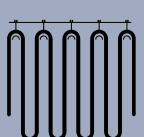

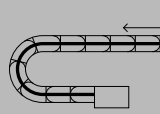

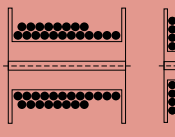

Rolling with us pays off!

PROTOLON(IQ)

– a smart reeling cable system saving the day.

To help you avoid downtime hours in port and mining operations, we've developed PROTOLON(IQ). This innovative reeling cable system detects and reports mechanical impact and sudden irregularities on the cable, enabling root-cause analysis and risk-based decisions. Hence, the sensing technology can dramatically reduce process interruptions and optimize asset utilization. Buckle up and play it safe.

Applications overview

Application groups	Cable	Description	Product name		
LV reeling 		LOW VOLTAGE REELING CABLES	CORDAFLEX (SMK) TROMMELFLEX PUR HF TROMMELFLEX (K)		
		LOW VOLTAGE REELING CABLES FOR E-RTGS	CORDAFLEX (SMK) TROMMELFLEX KSM-S		
		Spreader 		LOW VOLTAGE CABLES FOR VERTICAL REELING	CORDAFLEX (SMK)-V SPREADER REEL PUR HR
				LOW VOLTAGE CABLES FOR BASKET OPERATION	SPREADERFLEX
Festoon 		ROUND LOW VOLTAGE CABLES FOR FESTOON OPERATION	RONDOFLEX RONDOFLEX (C)-FC FESTOONFLEX PUR HF FESTOONFLEX C PUR HF		
		FLAT LOW VOLTAGE CABLES FOR FESTOON OPERATION	PLANOFLEX		
		CABLES FOR DATA TRANSMISSION	OPTOFLEX		
		Chain 		LOW VOLTAGE CABLES FOR CHAIN OPERATION	RONDOFLEX (CHAIN) FESTOONFLEX PUR HF FESTOONFLEX C PUR HF
MV reeling 				ROUND MEDIUM VOLTAGE REELING CABLES	PROTOLON (SMK) PROTOLON (SMK) LWL PROTOLON (SMK+HS) PROTOLON (IQ) TENAX TTS TENAX TTS LWL
				FLAT MEDIUM VOLTAGE REELING CABLES	PROTOLON (FL) PROTOLON (FL) LWL
		CABLES FOR SHORE-CONNECTION SYSTEMS	PROTOLON (SC) PROTOLON (SC)		

Designation	Tensile load max.	Speed max.	Temp. moving	Mechanical stress max.
(N)SHTOEU	30 N/mm ²	240 m/min	-35°C up to +80°C	Very High
D12Y11YU11Y	25 N/mm ²	180 m/min	-40°C up to +80°C	High
NSHTOEU	15 N/mm ²	120 m/min	-25°C up to +80°C	Moderate
(N)SHTOEU	30 N/mm ²	240 m/min	-35°C up to +80°C	Very High
(N)SHTOEU	20 N/mm ²	180 m/min	-40°C up to +80°C	High
(N)SHTOEU	30 N/mm ²	240 m/min	-35°C up to +80°C	Very High
D12YST11YU11Y	30 N/mm ²	180 m/min	-40°C up to +80°C	High
3GSLTOE / SYSLTOE	Increased	160 m/min	-40°C up to +80°C	Very High
(N)GRDGOEU	15 N/mm ²	240 m/min	-35°C up to +80°C	High
(N)GRDGCGOEU	15 N/mm ²	240 m/min	-35°C up to +80°C	High
D12Y11Y	15 N/mm ²	210 m/min	-40°C up to +80°C	Moderate
D12YC11Y	15 N/mm ²	210 m/min	-40°C up to +80°C	Moderate
NGFLGOEU	15 N/mm ²	180 m/min	-35°C up to +80°C	Moderate
G62.5/125, G50/125, E9/125	500 N	120 m/min (Reeling), 240 m/min (Festoon)	-35°C up to +80°C	High
(N)GRDGOEU/(N)GRDGCGOEU	15 N/mm ²	240 m/min	-35°C up to +80°C	High
D12Y11Y	15 N/mm ²	210 m/min	-40°C up to +80°C	Moderate
D12YC11Y	15 N/mm ²	210 m/min	-40°C up to +80°C	Moderate
(N)TSCGEWOEU	30 N/mm ²	240 m/min	-35°C up to +80°C	Very High
(N)TSKCGEWOEU	30 N/mm ²	240 m/min	-35°C up to +80°C	Very High
(N)TSKCGEWOEU	30 N/mm ² + support element	300 m/min	-35°C up to +80°C	Extra high
(N)TSKCGEWOEU	30 N/mm ²	240m/min	-35°C up to +80°C	Extra high
(N)TSCGEWOEU	25 N/mm ²	180 m/min	-25°C up to +80°C	High
(N)TSCGEWOEU	25 N/mm ²	180 m/min	-25°C up to +80°C	High
(N)TSFLCGEWOEU	15 N/mm ²	120 m/min	-35°C up to +80°C	Moderate
(N)TSFLCGEWOEU	15 N/mm ²	120 m/min	-35°C up to +80°C	Moderate
(N)TSKW0EU-J 0,6/1kV	20 N/mm ²	-	-25°C up to +80°C	Moderate
(N)TSCGEWOEU-J 6/10kV	20 N/mm ²	-	-25°C up to +80°C	Moderate

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