

Crane cables

Product overview



Prysmian
Group

Linking
the Future

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.

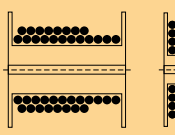

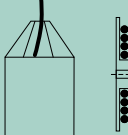

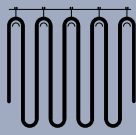
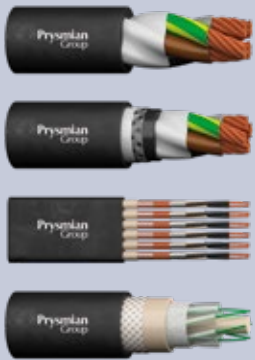
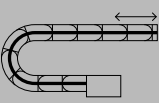

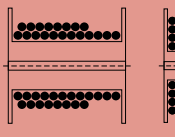

Rolling with us pays off!

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

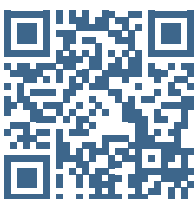
Application groups	Cable	Description	Product name
LV reeling 		LOW VOLTAGE REELING CABLES	CORDAFLEX (SMK)
			TROMMELFLEX PUR HF
		LOW VOLTAGE REELING CABLES FOR E-RTGS	TROMMELFLEX (K)
			TROMMELFLEX KSM-S
Spreader 		LOW VOLTAGE CABLES FOR VERTICAL REELING	CORDAFLEX (SMK)-V
		LOW VOLTAGE CABLES FOR BASKET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

Designation	Tensile load max.	Speed max.	Temp. moving	Mechanical stress max.
(N)SHT0EU	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
NSHT0EU	15 N/mm ²	120 m/min	-25 °C up to +80 °C	Moderate
(N)SHT0EU	30 N/mm ²	240 m/min	-35 °C up to +80 °C	Very High
(N)SHT0EU	20 N/mm ²	180 m/min	-40 °C up to +80 °C	High
(N)SHT0EU	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)TSCGEW0EU	30 N/mm ²	240 m/min	-35 °C up to +80 °C	Very High
(N)TSKCGEW0EU	30 N/mm ²	240 m/min	-35 °C up to +80 °C	Very High
(N)TSKCGEW0EU	30 N/mm ² + support element	300 m/min	-35 °C up to +80 °C	Extra high
(N)TSKCGEW0EU	30 N/mm ²	240m/min	-35 °C up to +80 °C	Extra high
(N)TSCGEW0EU	25 N/mm ²	180 m/min	-25 °C up to +80 °C	High
(N)TSCGEW0EU	25 N/mm ²	180 m/min	-25 °C up to +80 °C	High
(N)TSFLCGEW0EU	15 N/mm ²	120 m/min	-35 °C up to +80 °C	Moderate
(N)TSFLCGEW0EU	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)TSCGEW0EU-J 6/10kV	20 N/mm ²	–	-25 °C up to +80 °C	Moderate

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