

# **ROPES & CORDS**

## General catalog

Traditional manufacturer since 1949



LANEX delivers to more than 90 countries around the world. Export represents 85 % of turnover.



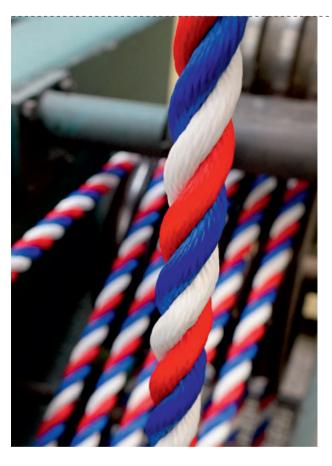
The mission of LANEX

LANEX is a leading European producer of **synthetic fibres**, **tapes**, **strings**, **ropes** and **cords** designed for a wide range of industrial and professional applications. With decades of experience, our mission is to combine innovation, reliability and safety in every strand we produce.









Our products are used across a wide range of industries, including mountaineering, work, rescue and military operations, marine and shipbuilding, the paper industry, installation of overhead power transmission lines, lifting and load handling, agriculture, and general industry.

Our company operates its own R&D department and testing laboratory, ensuring continuous technological development and uncompromising quality control.

Paper Carrier Ropes
Dynamic & Static Ropes
Yachting Ropes
Marine Ropes
Hobby Ropes
Energo Ropes ————————————————————————————————————

Certified company – all certificates here

The **You can be sure** slogan is the declaration of our long-standing relationship with our business partners as well as our employees.

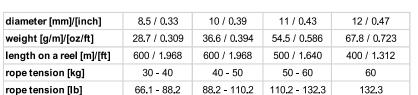


The Paper industry is specific since every paper mill paper machine is different. That is why technical knowledge and support is the key to efficient and profitable production.

## Superline UNO/DUO

Advanced (all-purpose) rope for all sections of the machine. Our **Bestseller** and the best choice for balancing high quality and economic price. Superline rope provides **Supercoating Technology** which increases rope life and supports **less elongation**.







diameter [mm]/[inch]	8.5 / 0.33	10 / 0.39	11 / 0.43	12 / 0.47
weight [g/m]/[oz/ft]	43.2 / 0.464	51.6 / 0.555	66.2 / 0.712	75 / 0.806
length on a reel [m]/[ft]	600 / 1.968	600 / 1.968	500 / 1.640	400 / 1.312
rope tension [kg]	30	35 - 40	45	50 - 55
rope tension [lb]	66.1	77.2 - 88.2	99.2	110.2 - 121.3



UNO

DUO



coreless braided rope rope with inner core Construction

#### **Description**

- Raw material Polyamide 6 (Nylon 6)
- Advanced technology with Supercoating (2nd layer of the chemical protection and thermo-stabilization)
- Easy to splice
- Optimal for working temperatures around 100 °C with a maximum 180 °C

#### **Aramid Strandline UNO/DUO**

Polyamide rope Aramid Strandline contains aramid fibre, which makes it **extremely resistant**. Completely new solution of rope construction provides **extra ordinary grip** on the most machine applications. Each strand of rope is made of durable coated cord(s) from which the rope is braided.



#### UNO

diameter [mm]/[inch]	10 / 0.39	11 / 0.43	12 / 0.47
weight [g/m]/[oz/ft]	50.3 / 0.544	57.5 / 0.622	70/ 0.756
length on a reel [m]/[ft]	600 / 1.968	500 / 1.640	400 / 1.312
rope tension [kg]	30 - 40	40 - 50	50 - 60
rope tension [lb]	88.2 - 110.2	110.2 - 132.3	132.3



#### DUO

diameter [mm]/[inch]	10 / 0.39	11 / 0.43	12 / 0.47
weight [g/m]/[oz/ft]	63 / 0.681	74 / 0.799	81 / 0.874
length on a reel [m]/[ft]	600 / 1.968	500 / 1.640	400 / 1.312
rope tension [kg]	35 - 40	45	50 - 55
rope tension [lb]	77.2 - 88.2	99.2	110.2 - 121.3



#### **Description**

- Raw material Polyamide 6 (Nylon 6) + Aramid yarns
- Advanced technology with Supercoating (2nd layer of chemical protection and thermo-stabilization)
- Rough surface but still easy to splice
- Optimal for working temperatures around 100 °C with a maximum 180 °C



QR code to view all Paper Carrier Ropes



# **FENDON**

tied to be free

Separate brand for **dynamic** and static ropes.



# sport climbing Master PRO 9.2

#### EN 892 / CE 1019

LIA 025 / CF 1012		
ROPE DIAMETER	9.2	mm
WEIGHT	58	g/m
NUMBER OF UIAA FALLS	6	
MAX. IMPACT FORCE	9.5	kN
SHEATH SLIPPAGE	0.1	%
STATIC ELONGATION	6.5	%
DYNAMIC ELONGATION	35	%
KNOTABILITY	0.9	

Made for lovers of versatility. Simple climbing rope with low weight breaks the stigma that a thin rope doesn't last very long. Thanks to the innovative and extremely smooth SBS PRO braid system, the maximum extension of its lifetime, plus it is very soft and great to work with.



# sport climbing Anniversal 9.5

FN 892 / CF 1019

EM 035 / CE 1013		
ROPE DIAMETER	9.5	mm
WEIGHT	57	g/m
NUMBER OF UIAA FALLS	5	
MAX. IMPACT FORCE	8.4	kN
SHEATH SLIPPAGE	0.2	%
STATIC ELONGATION	8.2	%
DYNAMIC ELONGATION	32	%
KNOTABILITY	0.9	

Rope specially made for the 20th anniversary of the Tendon brand. The Anniversal 9.5 combines versatility, uncompromising durability, and use from short sport routes to long 50-meter slacks. The rope will not offend with its weight and the thick braid will provide a feeling of safety and durability. This makes it an ideal choice even for novice climbers.

#### worl

## eStatic 10.5 | eStatic 11.0



#### EN 1891 / CE 1019

DIAMETER	10.5	11	mm
WEIGHT	75	84	g/m
NUMBER OF UIAA FALLS	12	20	min.
RELATIVE MASS OF SHEATH	51	43	%
SHEATH SLIPPAGE	0	0.3	%
ELONGATION (50 -150 KG)	2.9	2.6	%
SHRINKAGE	-1.5	-2	%
MIN. TENACITY WITH KNOTS	16	20	kN
TENACITY	30	35	kN
TYPE	A	A	

High performance static rope with polyamide core and polyester braid. It features less static elongation, is less susceptible to moisture, more resistant to abrasion. Available in vibrant colors suitable for work on roofs, for example, or for better orientation in the ropes during handling in rope handling.



# CENDON CENDON

#### EN 1891 / CE 1019

DIAMETER WEIGHT NUMBER OF UIAA FALLS RELATIVE MASS OF SHEATH SHEATH SLIPPAGE	9 50 15 49 0.4	10 69 20 38 0.1	10.5 72 20 36 0.1	11 80 20 39 0.3	90 20 34 0.5	mm g/m min. % %
ELONGATION (50 -150 KG)	5	4.1	3.6	3.7	3.2	%
SHRINKAGE	0.6	2	1.9	1.9	1.8	%_
MIN. TENACITY WITH KNOTS	13_	_ 17	_18_	20	_25_	_ kN
TENACITY	23	31	32	33	41	kN
TYPE	В	A	A	A	Α	

#### Static 9.0-12.0 MILITARY

Great static ropes in military design designed for the armed forces and police. They are characterized by low elongation, and high static strength. Available from in five diameters.



QR code To view all Dynamic & Static Ropes





# Lane

Separate brand for **Yachting Ropes** 

#### **DF 20**

Category: Construction: Material:

Standing rigging Single braid Dyneema DM 20

Diameter mm	Weight g/m	Breaking Load daN
3	6	1000
4	10	1700
5	16	2900
6	21	3700
8	41	7480
10	55	10100

The line is made of highstrength Dyneema material and its extremely low elongation, zero long-term creep, high strength and low weight make it unique. Ideal for long sails. The line has double saturated and heat set.

#### **Mistral**

Category: Construction: Material:

All kind of application Double braid

Polyester

Diameter mm	Weight g/m	Breaking Load daN
6	24	2000
8	41	3000
10	63	3500
12	81	4800

Core: Nexsteel

(LANEX tested and upgraded HMPE)

24 strand braided line with DF 3 core, universal line for all kinds of applications on the

Core can be used separately. This line is very easy to tapper.









#### **Zero Plus**

Category: Construction:

Cover:

Sheet or the halyard Double braid

Technora with polyester

Diameter mm	Weight g/m	Breaking Load daN
6	28	1940
8	45	3000
10	63	4300
12	83	5900

Core: Nexsteel

(LANEX tested and upgraded HMPE)

High class line meets expectations of all racers. Extremelly low elongation, fantastic handling and perfect spliceability, Aramid in the cover resists the heat on winch during extreme races.



Category: Construction: Cover:

Sheet Double braid Polyester

Diameter mm	Weight g/m	Breaking Load daN
6	27	700
8	40	1300
10	62	2000
12	82	2300
14	127	4000
16	165	4900

Core: PPM/Polyester

Light universal sheet. Breeze is 20 % lighter than polyester double braided lines in his category. Perfect sheet for cruisers, Ideal spinnaker sheet.







Category: Construction: Cover:

Halyard Double braid Core: Polyester



Diameter mm	Weight g/m	Breaking Load daN
6	2.7	1200
8	5.5	1950
10	8.1	2900
12	13.0	3700
14	15.9	4500
16	18.6	5100



QR code to view all **Yachting Ropes** 

MELTEMI FIX is a strong and exceptionally soft universal line, which retains its flexibility and softness after soaking. The line is heat set and pre-stretched. This is a reliable line for all types of applications. MELTEMI FIX offers the best spliceability in the Cruising Line series.



The gradual development of braided and twisted ropes and cords being used in marine and fishing industry initially, led to transition from natural materials to progressive synthetic fibres with excellent strength and resistance.

#### HMPE MEG 4 certified

High Modulus Polyethylene rope is one of the strongest, most durable and innovative ropes on the market today. It is a modern and safer replacement for steel ropes, offering exceptional strength, abrasion, heat, and UV resistance while remaining lightweight, flexible, and easy to handle. With a low coefficient of friction, it reduces operating costs and significantly improves handling safety. An optional antistatic

coating is available, providing water resistance and minimizing static electricity build up on the rope surface.



Abrasion resistance excellent

Specific gravity

UV resistance

Acid resistance



0.97 (floating)

excellent

excellent



Alkali resistance
Chemicals resistance
Cold and frost resistance
Water resistance
Heat resistance

excellent Elongation
excellent Creep at 2
excellent Antistatic
excellent Colors
low (135–145 °C melting)

Elongation low (< 4% at break)
Creep at 22 °C low (0.002% per day)
Antistatic coating
Colors yellow, black, silver

8 STRAND

Diameter 40 - 72 mm



12 STRAND

Diameter 2 - 48 mm





A rope with very high tensile strength in comparison with standard ropes. This allows smaller rope diameters to be used and reduces the need for storage space. In addition, it is easier to handle, both dry and wet conditions.

#### PARAMETERS

Material

Specific gravity Floating Melting temperature UV resistance



outstanding

PES high tenacity multifilament and POLYS fibres I 0.99 kg/dm³ Ves I 260/165 °C

Abrasion resistance Durability Water absorption Dry and wet conditions TCLL value outstanding outstanding max. 0.1% identical wet and dry conditions

#### 8 STRAND

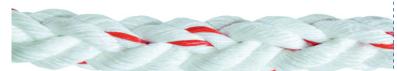
Diameter 32 - 104 mm



12 STRAND

Diameter 16 - 48 mm









QR code to view all Marine Ropes



#### **TITAN PLUS**

An advanced braided composite rope with one of the highest tensile strengths on the market. The rope's basic material is a blend of Polys and highly resistant polyester fibres. The high strength polyester multifilament fibres on the surface of the rope strands lead to a significant increase in abrasion resistance, increases the rope surface's resistance to heating and subsequently melting the surface fibres and increases the resistance to UV degradation, thus extending the rope's overall life.

#### PARAMETERS

Material



PES high tenacity multifilament and POLYS fibres 1.14 kg/dm³ no 260/165 °C UV resistance Abrasion resistance Water absorption Dry and wet conditions TCLL value outstanding outstanding max. 0.5% identical wet and dry conditions 79%

8 STRAND

Specific gravity

Melting temperature

Diameter 32 - 104 mm



12 STRAND

Diameter









Ropes and cords for applications such as construction, agriculture, textilles, transport, entertainment, food industries, etc.



- NON-SLIPPERY GRIP
- RESISTANT TO MICROORGANISM
- DO NOT FLOAT ON WATER
- NATURAL LOOK



(闐) TWISTED

## Natural ropes and cords

Ropes and cords made from natural materials such as sisal and jute combine a traditional look with a pleasant natural texture. Although not intended for heavy loads, they are widely used in decorative and craft applications, for sports activities such as climbing or tug-of-war, and in gardening. Some types are reinforced with polypropylene tape to increase

their strength, making them suitable even for construction and industrial use.



## **High-strength polypropylene (PPV)**

Made from this material are among our most frequently used and most popular products. They can be used in workshops, in the garden, on a boat, but also in agriculture or in civil engineering.







- VERY GOOD STRENGTH AND UV RESISTANCE



SPIROID ROPES AND CORDS







✓ LOW ELONGATION ✓ FLOATS IN WATER



#### Polyester ropes and cords

High strength, low tensile strength and high resistance to weathering - these are the basic properties of the polyester ropes and cords. Their greatest advantage is excellent abrasion resistance. This makes them a perfect choice for being used as blind cords or shoelaces. They are suitable for use in moist environment, as well as in direct contact with water.

- HIGH RESISTANCE TO WEATHERING OO NOT FLOAT
- **EXCELLENT ABRASION RESISTANCE**









QR code to view all **Hobby Ropes** 



The ENERGO range is designed for installing overhead power transmission lines. With low weight, strong construction, and special surface treatment, it fully replaces steel wire ropes while improving safety and work efficiency. Proven reliability is ensured by extensive testing and years of practical use.



#### **ENERGO Force**

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**EHV** 





Extremely strong synthetic rope with protective braiding replacing steel ropes for very high voltage lines.

Installation and pulling of VHV (very high voltage) wires

- Extremely strength and very low weight
- Non-conductive, zero recoil effect
- Easy and safe handling
- Special treatment against UV, abrasion, oil and chemicals

Diameter	Weight	Breaking load	Working load 5:1	Standard coil length
mm	g/m	kg	kg	m
6	23	2000	400	4000
8	40	3000	600	2000
10	65	4970	994	1500
12	95	7000	1400	1000
14	130	10000	2000	800
16	165	16000	3200	500
18	202	18000	3600	400



#### **ENERGO HMPE**

H۷

EHV









High-strength rope made of HMPE material - Maximum strength with minimum weight.

Pulling high-voltage power lines where strength and low weight are

- Exceptional strength at very low weight
- Non-absorbent, UV and chemical resistant
- Smooth surface for reduced abrasion
- Easy to transport even over long distances
- Impregnated with durable coating to extend service life

Diameter	Weight	Breaking load	Working load 5:1	Standard coil length
mm	g/m	kg	kg	m
14	117	18360	3672	1000
16	151	23850	4770	1000
18	190	28890	5778	1000
20	233	34920	6984	1000
22	280	41310	8262	1000
24	331	47700	9540	1000



#### **ENERGO Base**

ΜV

H۷









Durable braided polyester rope for outdoor environments.

Installation and pulling of HV (high voltage) power lines

- High resistance to abrasion and UV radiation
- Low elongation and minimal water absorption
- Easy handling even under demanding conditions
- Long service life without complicated maintenance

Diameter	Weight	Breaking load	Working load 5:1	Standard coil length
mm	g/m	kg	kg	m
6	27	1177	235	2000
8	55	1913	383	1500
10	81	2845	569	1200
12	130	3532	706	1000
14	159	4415	883	1000
16	186	5003	1001	1000



QR code to view all **Energo Ropes**  **Paper Carrier Ropes** 

**%** +420 553 751 202

**Yachting Ropes** 

**%** +420 553 751 291

**Dynamics & Static Ropes &** +420 553 751 223

**Marine Ropes** 

📞 +420 553 751 299

**Hobby Ropes** 

+420 553 751 324

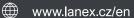
**Energo Ropes** 

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