



Lanex
You can be sure

ROPES & CORDS

General catalog

Traditional manufacturer since 1949



2024



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

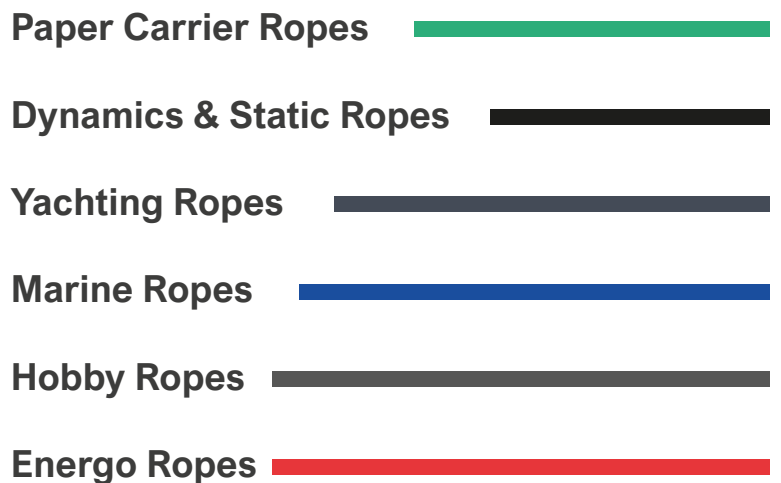


The mission of LANEX

We produce technologically advanced ropes, cords and fibres. Each product is specially designed to ensure the best quality. We deliver to various fields of application: industry, sport, hobbies, work and rescue.



**ISO
CERTIFIED
COMPANY**



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

Paper Carrier Ropes

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.



UNO

diameter [mm]/[inch]	8.5 / 0.33	10 / 0.39	11 / 0.43	12 / 0.47
weight [g/m]/[oz/ft]	28.7 / 0.309	36.6 / 0.394	54.5 / 0.586	67.8 / 0.723
length on a reel [m]/[ft]	600 / 1.968	600 / 1.968	500 / 1.640	400 / 1.312
rope tension [kg]	30 - 40	40 - 50	50 - 60	60
rope tension [lb]	66.1 - 88.2	88.2 - 110.2	110.2 - 132.3	132.3



DUO

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

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 (please follow splicing instructions)
- Optimal for working temperatures around 100 °C with a maximum 180 °C

Extraline UNO/DUO

Extraline rope provides the best grip for use on the most difficult machine applications. Every strand of the rope is surrounded by braided monofilament. This monofilament breaks apart with use creating a rough surface on the rope to provide the very best grip.



UNO

diameter [mm]/[inch]	8.5 / 0.33	10 / 0.39	11 / 0.43	12 / 0.47
weight [g/m]/[oz/ft]	36.2 / 0.389	44.9 / 0.483	52 / 0.56	55 / 0.591
length on a reel [m]/[ft]	600 / 1.968	600 / 1.968	500 / 1.640	400 / 1.312
rope tension [kg]	30 - 40	40 - 50	50 - 60	60
rope tension [lb]	66.1 - 88.2	88.2 - 110.2	110.2 - 132.3	132.3



DUO

diameter [mm]/[inch]	8.5 / 0.33	10 / 0.39	11 / 0.43	12 / 0.47
weight [g/m]/[oz/ft]	46.5 / 0.5	59.4 / 0.639	61 / 0.656	70 / 0.86
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

Description

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



QR code
to view all
Paper Carrier ropes

Dynamic & Static Ropes

Separate brand for dynamic and static ropes.

sport climbing

Master PRO 9.2



EN 892 / CE 1019		①
ROPE DIAMETER	9.2	mm
WEIGHT	58	g/m
NUMBER OF UIAA FALLS	9	
MAX. IMPACT FORCE	8.5	kN
SHEATH SLIPPAGE	0.1	%
STATIC ELONGATION	6.5	%
DYNAMIC ELONGATION	31	%
KNOTABILITY	0.9	

This rope defeats the stigma that thin ropes are not durable. You don't need to carry one rope for practicing and another one for redpoint. Inovated, extremely fine SBS sheath significantly prolongs its lifespan. The rope is at the same time soft enough and easy to work with.

sport climbing

Ambition 9.8



EN 892 / CE 1019		①
ROPE DIAMETER	9.8	mm
WEIGHT	64	g/m
NUMBER OF UIAA FALLS	9	
MAX. IMPACT FORCE	7.4	kN
SHEATH SLIPPAGE	0.05	%
STATIC ELONGATION	7.9	%
DYNAMIC ELONGATION	35	%
KNOTABILITY	0.9	

As its name suggests, this rope is both for beginners and ambitious climbers who pursue climbing outside and indoors. It offers outstanding value for money. It has a universal diameter.

sport climbing

Master 9.7



EN 892 / CE 1019		①
ROPE DIAMETER	9.7	mm
WEIGHT	61	g/m
NUMBER OF UIAA FALLS	7	
MAX. IMPACT FORCE	7.9	kN
SHEATH SLIPPAGE	0.1	%
STATIC ELONGATION	6	%
DYNAMIC ELONGATION	37	%
KNOTABILITY	0.9	

One of the most favorite ropes among our customers. MASTER 9.7 is time-proven. It offers an ideal diameter, SBS sheath and a long lifespan. One of the best ropes for rock climbing you can get. Offers an excellent value for money.

① SINGLE ROPE

For ascent where only one rope is used. This is the most basic and widely used method of using rope for ascents.



QR code To view all
Dynamic & Static ropes



EN 1891 / CE 1019		
DIAMETER	10.5	11 mm
WEIGHT	72	85 g/m
NUMBER OF UIAA FALLS	16	20 min.
RELATIVE MASS OF SHEATH	38	33 %
SHEATH SLIPPAGE	0	0 %
ELONGATION (50 - 150 KG)	4.6	4.5 %
SHRINKAGE	1.2	0.8 %
MIN. STRENGTH WITH KNOTS	17	18 kN
STRENGTH	28	35 kN
TYPE	A	A

SEWN TERMINATION IS AVAILABLE - ON REQUEST

work

Secure 10.5 | Secure 11.0

A rope for any application where the sheath and the core may suffer damage. When using this rope you will significantly increase your safety margins, in cases where mechanical damage to the rope due to sharp edges or falling objects. Thanks to the unique sandwichtype construction of braided layers and the use of specially developed staple fibers, the rope is able to hold the suspended person or load even in the event of considerable sheath or core damage. Even if the rope is heavily damaged, the suspended person has enough time to abseil to the ground or to a safe anchor point.



Lanex
YACHTING

Yachting Ropes

Separate brand for
Yachting ropes

DF 20

Category: Standing rigging
Construction: Single braid
Material: 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

Hard pre-stretching process and Dyneema DM 20 material in the core offers almost no elongation and zero creep. Ideal solution for standing rigging. Double coating protects the line against UV.



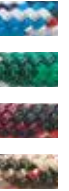
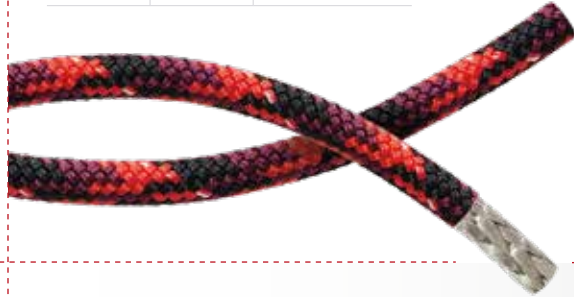
Mistral

Category: All kind of application
Construction: Double braid
Material: Polyester

Core: Nexsteel
(LANEX tested and upgraded HMPE)

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

24 strand braided line with DF 3 core, univesal line for all kind of application on the boat. Core can be used separately, line is very easy to taper.



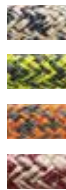
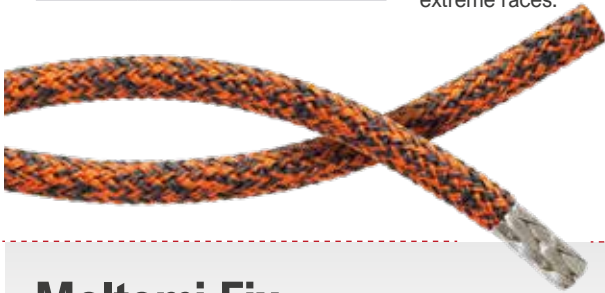
Zero Plus

Category: Sheet or the halyard
Construction: Double braid
Cover: Technora with polyester

Core: Nexsteel
(LANEX tested and upgraded HMPE)

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

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



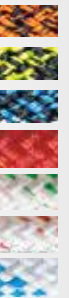
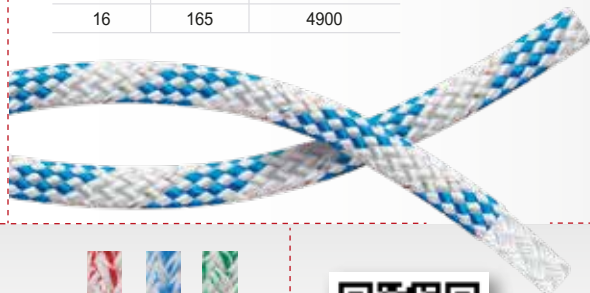
Breeze

Category: Sheet
Construction: Double braid
Cover: Polyester

Core: PPM/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

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



Meltemi Fix

Category: Halyard
Construction: Double braid
Cover: High Tenacity Polyester

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.

Marine Ropes

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

High Modulus Polyethylene rope is one of the strongest, most durable and innovative ropes on the market today. The HMPE ropes are impregnated with durable coating to reduce abrasion and extend the service life. The extraordinary features and extreme strength of HMPE ropes is a reason for using them as frequent substitute to steel wire ropes. The HMPE ropes go through a special heat and UV resistance treatment. They have an extremely low friction coefficient and highly reduce operation costs. Additionally, they offer much safer handling solution compared to a standard steel wire ropes.

PARAMETERS

Fiber	HMPE superior	Alkali resistance	excellent	Elongation	low (< 4% at break)
Specific gravity	0.97 (floating)	Chemicals resistance	excellent	Creep at 22 °C	low (0.002% per day)
UV resistance	excellent	Cold and frost resistance	excellent	Antistatic coating	on request
Abrasion resistance	excellent	Water resistance	excellent	Colors	yellow, black, silver
Acid resistance	excellent	Heat resistance	low (135 - 145 °C melting)		

8 STRAND

Diameter
40 - 72 mm



12 STRAND

Diameter
2 - 40 mm



CRUISER PLUS

Cruiser Plus is very high tensile strength rope in comparison with standard ropes which allows to use ropes with smaller diameters which require less storage space. In addition, the rope exhibits better handling properties and non-rotating behavior in both dry and wet conditions.

PARAMETERS

Material	PES high tenacity multifilament and POLYS fibres	Abrasion resistance	outstanding
Specific gravity	0.99 kg/dm ³	Durability	outstanding
Floating	yes	Water absorption	max. 0.1%
Melting temperature	260/165 °C	Dry and wet conditions	identical wet and dry conditions
UV resistance	outstanding	TCLL value	76%

8 STRAND

Diameter
32 - 104 mm



12 STRAND

Diameter
16 - 48 mm



TITAN PLUS

TITAN PLUS – an advanced braided composite rope with one of the highest tensile strengths on the market. The basic material of the rope is a mixture of Polys and high tenacity polyester fibres. High tenacity polyester multifilament fibres on the surface of the rope strands increase abrasion resistance, resistance to warming-up of the rope surface with subsequent melting of surface fibres and resistance to UV degradation in which way the total service life of the rope is prolonged.

PARAMETERS

Material	PES high tenacity multifilament and POLYS fibres	UV resistance	outstanding
Specific gravity	1.14 kg/dm ³	Abrasion resistance	outstanding
Floating	no	Water absorption	max. 0.5%
Melting temperature	260/165 °C	Dry and wet conditions	identical wet and dry conditions
		TCLL value	79%

8 STRAND

Diameter
32 - 104 mm



12 STRAND

Diameter
18 - 44 mm



CRUISER

Cruiser is a high tensile strength rope. Very high strength in comparison with standard polypropylene rope (up to 60 % higher). Excellent strength-to-weight ratio of the rope. Economical ratio between BL and weight.



QR code
to view all
Marine ropes

8 STRAND

Diameter
30 - 104 mm



12 STRAND

Diameter
18 - 48 mm



PARAMETERS

Material	PES high tenacity multifilament and POLYS fibres	Abrasion resistance	very good
Specific gravity	0.99 kg/dm ³	Durability	very good
Floating	yes	Water absorption	max. 0.1%
Melting temperature	260/165 °C	Dry and wet conditions	identical wet and dry conditions
UV resistance	very good	TCLL value	78%



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

Hobby Ropes



- ✓ HIGH STRENGTH
- ✓ DO NOT FLOAT
- ✓ ELASTIC

Polyamide ropes with excellent strength are suitable as tying, lifting and pulling ropes. These ropes are widely used in industry and agriculture. They are not suitable for direct contact with water, because it would make them lose their softness.

Polyamide ropes and cords



BRAIDED without core



TWISTED



BRAIDED with core



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.



- ✓ FLOAT ON WATER
- ✓ COLOUR
- ✓ GOOD KNOTABILITY
- ✓ SOFT TO TOUCH



BRAIDED without core



- ✓ DECLARED CHEMICAL SAFETY
- ✓ FLOATS IN WATER
- ✓ COLOUR
- ✓ SOFT TO TOUCH



TWISTED



- ✓ ATTRACTIVE APPEARANCE, KEEP CIRCULAR CROSS-SECTION
- ✓ FLOAT ON WATER
- ✓ VERY GOOD STRENGTH AND UV RESISTANCE



SPIROID ROPES AND CORDS



- ✓ LOW ELONGATION
- ✓ FLOATS IN WATER
- ✓ EXCELLENT DESIGN



BRAIDED with core

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
- ✓ DO NOT FLOAT
- ✓ EXCELLENT ABRASION RESISTANCE



BRAIDED without core



BRAIDED with core



QR code to view all Hobby ropes

EnergO Ropes

Energy industry is visible practically all over the world, not only on land, but also within seas and oceans. These are often inhospitable and demanding environments, therefore there are special requirements regarding energo ropes, such as special treatment for resistance to heat and UV radiation or low coefficient of friction.

ENERGO Force HV EHV

Rope made of high-strength textile material with a durable cover and special coating for outdoor work. With its extreme strength, it fully replaces the steel rope. It is flexible, adapts to bending and much more lighter.

- does not conduct electricity
- resistant to UV
- 30 - 40 % longer service life compared to ordinary rope
- does not absorb water
- oil resistant

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 HV EHV

High strength rope without outer cover for high voltage power lines. Highly resilient, light, UV resistant HMPE rope is perfect replacement for steel ropes. HMPE rope is impregnated with durable coating that reduces abrasion and extends service life. Offers safer handling solution compared to standard steel wire ropes.

- does not conduct electricity
- resistant to UV
- does not absorb water

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 MV

Polyester braided rope withstand heavy wear not only due to the load, but it is also ideal to use in a variable outdoor environment. It is pleasant to the touch. Rope is finished with 30 cm stitched eye. Stitching is certified for 5 tons.

- does not conduct electricity
- resistant to UV
- low water absorption up to 5 %
- resistant to oils and acids

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

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