

Universal Line / Auxiliary Ropes and Lines



LEECH LINE

A very compact rope with low elongation, intended especially for producers of sails. The combination of materials used guarantees excellent strength and resistance to mechanical abrasion, higher temperatures and chemicals.

CONSTRUCTION: Double braided rope
 CORE: Aramid
 COVER: Polyester



CLIPPER

A very soft rope retaining its flexibility during its entire service life, even if exposed to water. CLIPPER is a strong and highly abrasion resistant rope which is also exceptionally resistant to the effects of solar radiation. Owing to its properties, this rope is very popular.

CONSTRUCTION: Braided rope with twisted cores
 CORE: Polyester, parallel-arranged twisted cores
 COVER: Polyester



SHOCK CORD

Flexible latex rope suitable for many applications aboard. It offers an extraordinary resistance to abrasion and UV radiation thanks to the cover made of polyester.

CONSTRUCTION: Braided rope with parallel core
 CORE: Latex, parallel-arranged strands
 COVER: Polyester

Selma Expeditions 2015



Diameter mm	Diameter inch	Strength daN	Weight kg/100 m
2	1/12	170	0,5
3	1/8	220	0,8
4	5/32	440	1,15



Diameter mm	Diameter inch	Strength daN	Weight kg/100 m
2	1/12	100	0,2
3	1/8	200	0,5
4	5/32	400	1,2
5	3/16	500	1,5
6	1/4	650	3,0
8	5/16	1200	5,2
10	13/32	1800	6,1



Diameter mm	Diameter inch	Weight kg/100 m
3	1/8	0,6
4	5/32	1,2
5	3/16	1,8
6	1/4	2,6
8	5/16	4,5
10	13/32	8,1



ČANY LANEX OFFSHORE CUP 2014



“La Grace is not only a museum and film ship with the only aim of looking good – it must do the distance between three continents every year, therefore our demands upon the strength and durability of ropes are very great. Oldtimer is exactly the right choice for our replica of the period ship. Nobody wants to believe us that it is not a natural rope”.

Josef Dvorský, Ship Captain La Grace

Universal Line / Auxiliary Ropes and Lines



ENERGY

A flexible, lightweight, floating, economic rope with a number of possible boat applications. Thanks to UV stabilization, the rope withstands a long-term exposure to solar radiation. It is suitable for ancillary applications and may be used as spinnaker sheets under very light wind conditions. A rope with an outstanding performance-to-price ratio.

CONSTRUCTION: Braided coreless rope
COVER: Polypropylene multifilament



MARINER

MARINER is an auxiliary nylon line, highly flexible and elastic. It is suitable to be used as flag halyard or for fastening of objects. When used in salt water, the rope becomes shorter and stiffer.

CONSTRUCTION: Braided rope with twisted cores
CORE: Polyamide, parallel-arranged twisted cores
COVER: Polyamide



DINGHY

DINGHY is characterized by a combination of strength, elasticity and flexibility. As an auxiliary rope, it may be employed in a number of boat applications. However, the length of the rope becomes shorter when wet, thus obtaining higher stiffness.

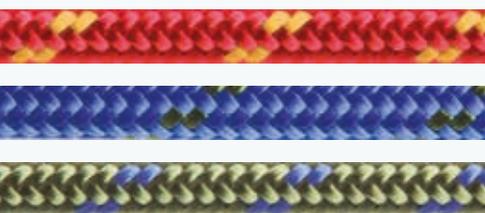
CONSTRUCTION: Braided rope with twisted cores
CORE: Polyamide, parallel-arranged twisted cores
COVER: Polyamide



Diameter mm	Diameter inch	Strength daN	Weight kg/100 m
2	1/12	90	0,2
3	1/8	150	0,3
4	5/32	280	0,7
5	3/16	350	1,0
6	1/4	450	1,3
8	5/16	650	2,6
9	7/16	800	3,2
10	13/32	900	3,7
12	1/2	1250	5,6
14	9/16	1650	7,8



Diameter mm	Diameter inch	Strength daN	Weight kg/100 m
2	1/12	165	0,3
3	1/8	230	0,7
4	5/32	420	0,9
5	3/16	650	1,6
6	1/4	950	2,7
7	9/32	1200	3,2
8	5/16	1300	4,5
9	7/16	1800	5,2
10	13/32	1900	6,6



Diameter mm	Diameter inch	Strength daN	Weight kg/100 m
2	1/12	120	0,3
3	1/8	200	0,7
4	5/32	400	1,3
5	3/16	550	1,9
6	1/4	1000	2,6
7	9/32	1300	3,4
8	5/16	1640	4,0
9	7/16	1900	5,5

MINISPOOLS

Great solution to fix anything on the boat.

Available in sizes 4 mm - 12 m, 3 mm - 20 m and 2 mm - 40 m, Universal cord from high tenacity PES called BORA will satisfy all your needs.

CONSTRUCTION: Double braided
MATERIAL: Polyester



Universal Line / Auxiliary Ropes and Lines



SOS LINE

Lightweight floating line, perfectly visible, may be used as a marker line for divers.

CONSTRUCTION: Double braided rope
CORE: Polypropylene
COVER: Polypropylene



OLDTIMER

OLDTIMER is made of an up-to-date synthetic material the appearance of which resembles natural material and is especially suitable for traditional boats. Thanks to the material used, OLDTIMER provides better strength and utility properties compared to ropes made of natural materials.

In order to give the fans of oldfashioned boats the comfort of work with advanced ropes without abandoning the traditional design, we have prepared the ropes D-Extreme, D-race, Dynesport in a typical golden-brown colour for them. We hope that you enjoy the comfort of use and appreciate quality of the ropes just like the crew of the pirate ship La Grace sponsored by us.

1 daN amounts to approx. 1 kg

The strength and weight parameters given in the table are for reference only.

CONSTRUCTION: Three-strand twisted rope
MATERIAL: Polypropylene staple

Materials

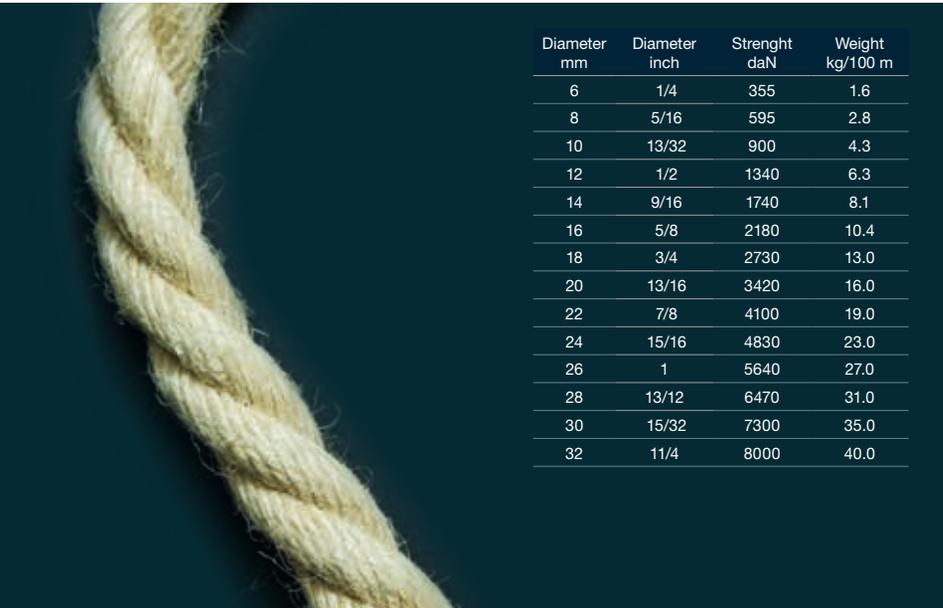
Our ropes and cords reach excellent parameters and are resistant to the most severe weather conditions, UV radiation as well as abrasion of the highest degree. Instead of natural materials, we use synthetic fibres which, if compared with natural fibres, have better properties such as greater strength, lower elongation and longer service life.

The following table shows the properties displayed by the individual materials.

MATERIAL	UHWPE	LCP	ARAMID FIBRE	POLYESTER	POLYAMIDE	POLYPROPYLENE MULTIFILAMENT
Trade name	Dyneema®	Vectran	Technora	Dacron, Diolen, Trevira	Nylon, Perlon	Multitex
Tenacity(cN/dtex)*	28-38	22-25	20-25	7-8	6.5-8.3	6-7
Elongation at break (%)	3.5	3.3	4.6	10-16	16-27	20-23
Specific gravity (g/cm³)	0.98	1.41	1.44	1.38	1.13	0.91
Melting point (°C)	144-152	330	carbonization at 500 °C	260	220	160
Abrasion resistance	very good	high	good	excellent	excellent	satisfying
UV resistance	very good	sensitive	sensitive	excellent	good	good with stabilizers



Diameter mm	Diameter inch	Strength daN	Weight kg/100 m
8	5/16	750	3,5
10	13/32	950	4,0



Diameter mm	Diameter inch	Strength daN	Weight kg/100 m
6	1/4	355	1.6
8	5/16	595	2.8
10	13/32	900	4.3
12	1/2	1340	6.3
14	9/16	1740	8.1
16	5/8	2180	10.4
18	3/4	2730	13.0
20	13/16	3420	16.0
22	7/8	4100	19.0
24	15/16	4830	23.0
26	1	5640	27.0
28	13/12	6470	31.0
30	15/32	7300	35.0
32	11/4	8000	40.0



La Grace

Salt resistance	excellent	excellent	sensitive	good	good at weak concentration	good at weak concentration
Resistance to acids	excellent	excellent	excellent	predominantly good	-	excellent
Resistance to oil products	excellent	excellent	excellent	excellent	good	good
Creep	creeps under longterm load	immeasurable	hardly measurable	hardly measurable	creeps slightly under tension	creeps under high tension
Knot strength (%)	35-50	30-35	30-40	55-60	60-65	55-65

* strength related to fibre fineness
The data given in the table is for reference only.

For sheet and halyard ropes

- we recommend to use materials having low elongation, high strength and long service life
- polyester is used in most cases for this category
- new high-tenacity materials like Dyneema® and Vectran are gaining importance for demanding racing applications

Mooring, anchoring and tow ropes

- have to be able to absorb heavy shocks and repeatedly occurring tension, thus they have to be elastic and strong
- materials such as polypropylene are suitable for use as tow ropes (floating materials)
- heavier materials such as polyamide and polyester are recommended by us to be used for mooring and anchoring ropes