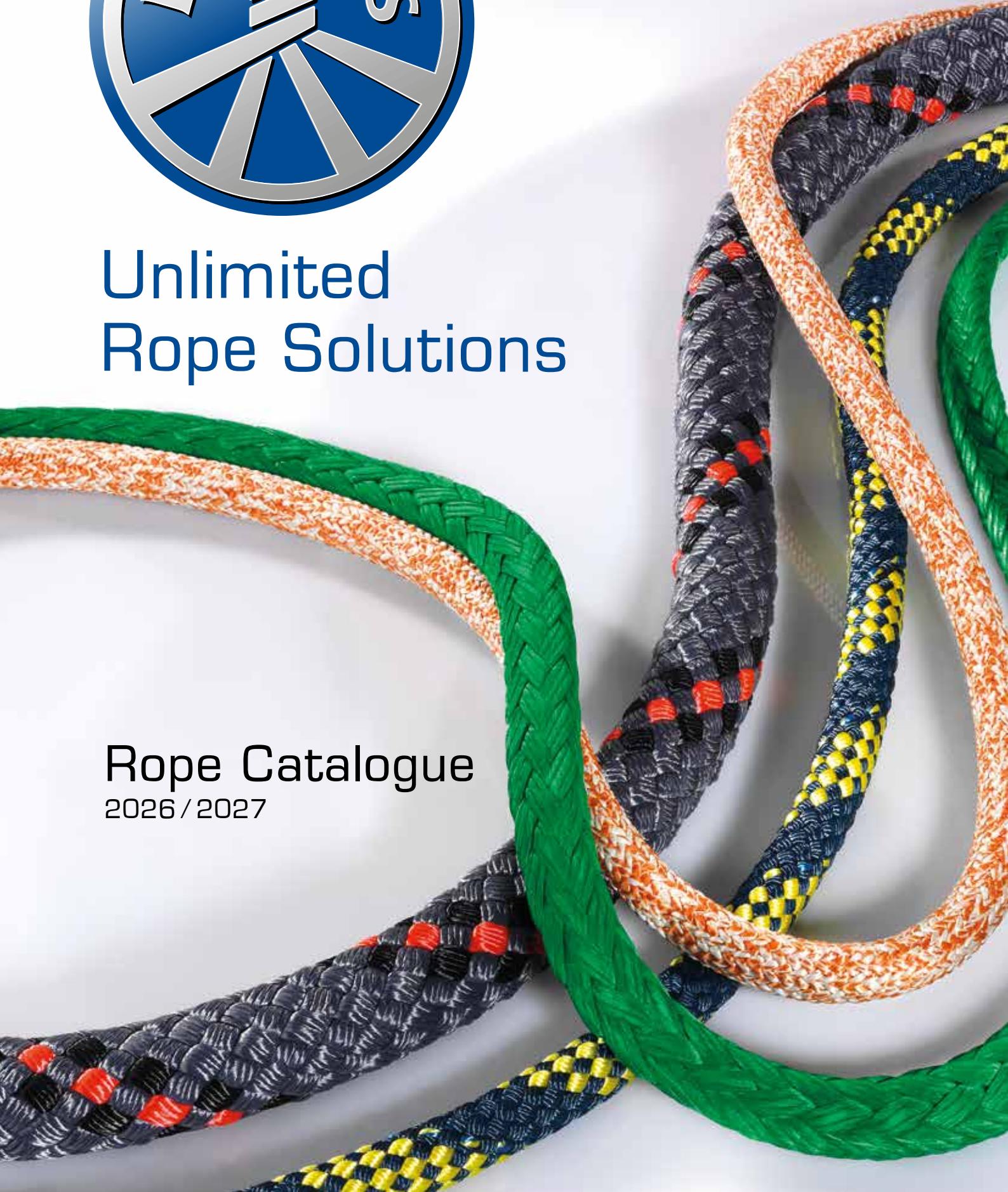




Unlimited Rope Solutions

Rope Catalogue
2026/2027





LIROS is now recognised as a world leader in the manufacture of high tech yachting ropes, kitesurf cords, paragliding lines and a wide range of industrial cordage. Latest production facilities enable LIROS to develop products for every customer requirement.

Special coatings developed by LIROS minimise the abrasion of high-quality fibre ropes and protect from UV-radiation. Thermal processes optimise the rope in terms of elongation and tensile strength. Our quality management systems ensure the highest level of quality for all LIROS customers.

For this reason LIROS produces innovative, sustainable and customer-optimised rope products – founded over 170 years ago.

Mona Rosenberger

Our company is certified and approved according to DIN EN ISO 9001 and DIN EN ISO 14001.

Production 100% Made in Germany.

CONTENTS



LIROS Green Wave®	6
Yacht Rope	
XTReme	8
Performance	13
Cruising	18
Mooring	24
Anchoring	33
Dinghy	34
Custom Performance	39
Sailmaker	42
Shock Cord / Tie-down Attachment	45
Selections in show-boxes	47
Flightsport	
Paragliding	51
Kite	53
Paragliding / Safety	56
Towing / Harness	57
Theatre and Stage	58
Safety	61
Arboriculture / Forest	65
Forest / Agriculture	66
Offroad	67
Industry	70
Barrier	80
Traditional	81
Natural Fibre	83
Technical Accessories	85
Shop Displays	90
LIROS Promotion Material	92
Materials & Technologies	94
Recommended Yachting Line Diameters	96
Recommended Mooring Line Diameters	97
Application Recommendation	98
Technical Information	99



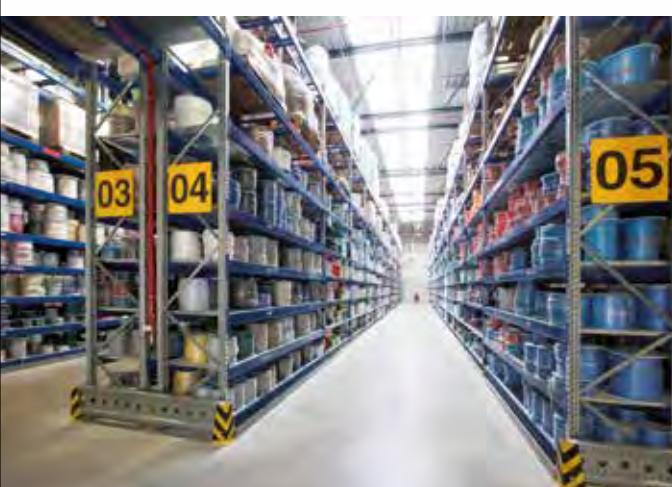
Latest technology Essential for producing premium products



Laboratory Technical development of unique rope solutions



Quality control Guarantees continuous quality



Logistics EDP-based warehousing for fast order processing

LIROS HSS

||||| Heat Stretch System

LIROS HSS pre-stretch system uses exact heat treatment to guarantee the highest accuracy in any application.

LIROS LCS

||||| LIROS Coating System

LIROS LCS is the best Protection against wear-and-tear and UV effects for technical ropes. LIROS LCS increases UV- and wear-resistance by up to 50%.



*100% recyclable products.
Natural fibres and single-origin synthetic fibres.*

LIROS line optimisation systems

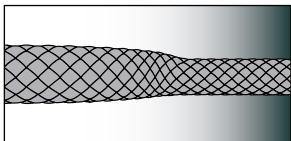
Unlimited Rope Solutions!

Quality Made in Germany

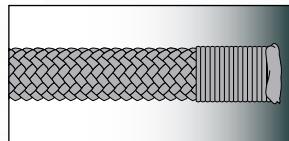
Our LIROS customer service team has solutions for even the most demanding customers/retail, wholesale, or direct-to-industry. We'll provide all the dimensional sizing, working and breaking load information you need to choose the right LIROS product for the job.



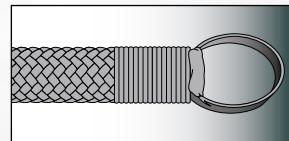
Individual terminations



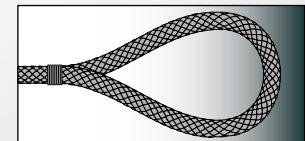
Tapered



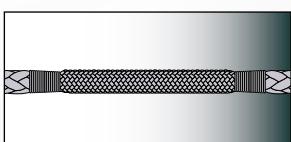
Whipping



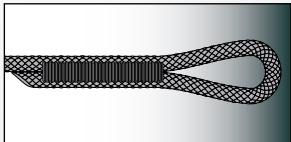
Pilot eye



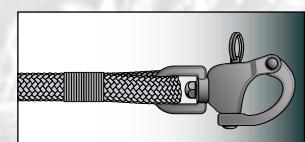
Eye splice



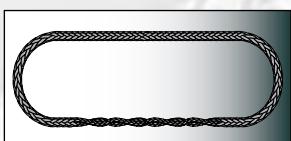
Protective cover



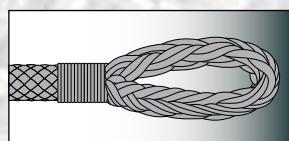
Sewn eye



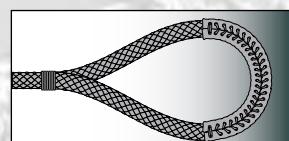
Shackle



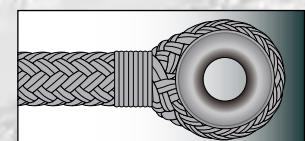
Continuous splice



Stripped eye splice



Leather



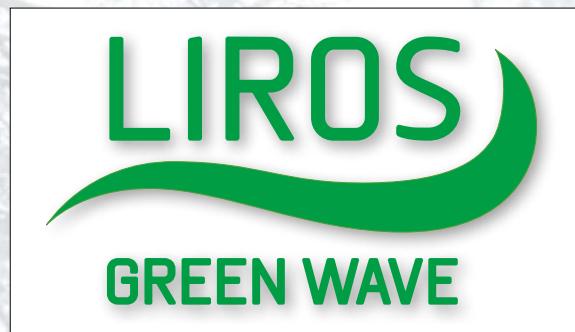
Friction Ring

In addition to common splicing and whipping, our experienced ropemakers specialise in fashioning and finishing of high-tech sheets, mooring lines and halyards. We can create the perfect individual rope for your specifications.

LIROS CUSTOMER SERVICE TEAM

Available monday to thursday 7:30am to 4:30pm and friday 7:30am to 1:00pm
+49 (0) 92 93 / 8002-0 or info@liros.com

For registered dealers the B2B dealer portal on our website www.liros.com is available 24/7.
Check warehouse availability and have instant access to the documents archive.



LIROS Green Wave®

Sustainable action and fair, environmental conscious management is one of the biggest challenges of our time. At LIROS it is our corporate philosophy – the LIROS Green Wave. It is at the same time a seal of approval, concept and binding mission statement for corporate action. The harmonisation of ecology and economy that takes responsibility in its entirety both for the environment and the population.

Production and consumption of energy has major ecological and social impacts. As a company we use energy as sparingly as possible whilst also using alternative sustainable and environmentally friendly techniques. LIROS aims to achieve climate neutrality in all areas of its business.

LIROS is certified according to **DIN EN ISO 14001:2015**. This demonstrates an effective environmental protection management system in all relevant divisions.

LIROS produces as an outdoor supplier for low environmental impact sports, for example, sailing, paragliding and kiting. As well as a supplier of extremely lightweight high strength componentry for the industry, LIROS has taken an active part in helping to reduce its CO₂ emissions.

LIROS Energy concept

The entire company in Berg, Upper Franconia with its state of the art machinery is heated by the waste heat from a biogas reactor. An in-house photovoltaic system guarantees a completely CO₂-free power supply of the rope production with self-generated solar energy.

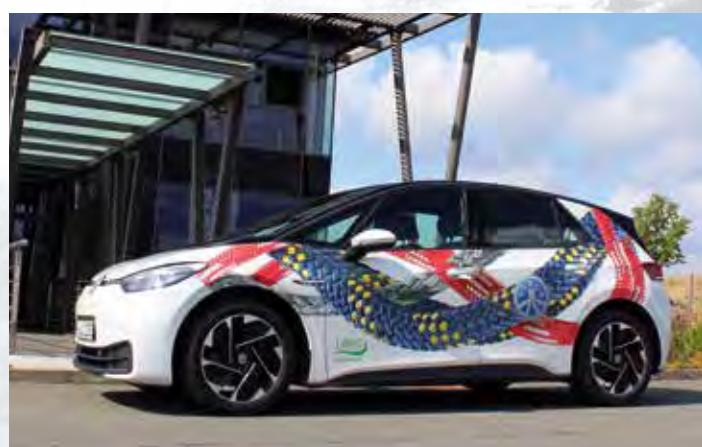
On sunny days the whole rope production is running with 100% photovoltaic energy from our roof top.



LIROS Recycled Products

LIROS' recycled products allow for sustainable concepts, thereby reducing CO₂ and energy emissions and increasing resource conservation efficiency. In addition, new fields of application in environmental technology are constantly being developed. Our yarn suppliers guarantee the environmentally friendly recycling of old goods. We use raw materials in the form of R-PET for rope production in our newly developed products. For example, LIROS Green Wave Porto, or LIROS PES Cordage Green Wave (page 27).

LIROS uses GRS-certified R-PET yarn (high strength yarn made from 100% PET bottles). Every ton of recycled PET produces 1.5-2.0 tons less of CO₂ emissions than conventional polyester, a saving of around 70%.



LIROS Electro mobility

Regional transport at LIROS is carried out with an electric vehicle. By using the companies photovoltaic system the vehicle is completely climate neutral.



XTREME

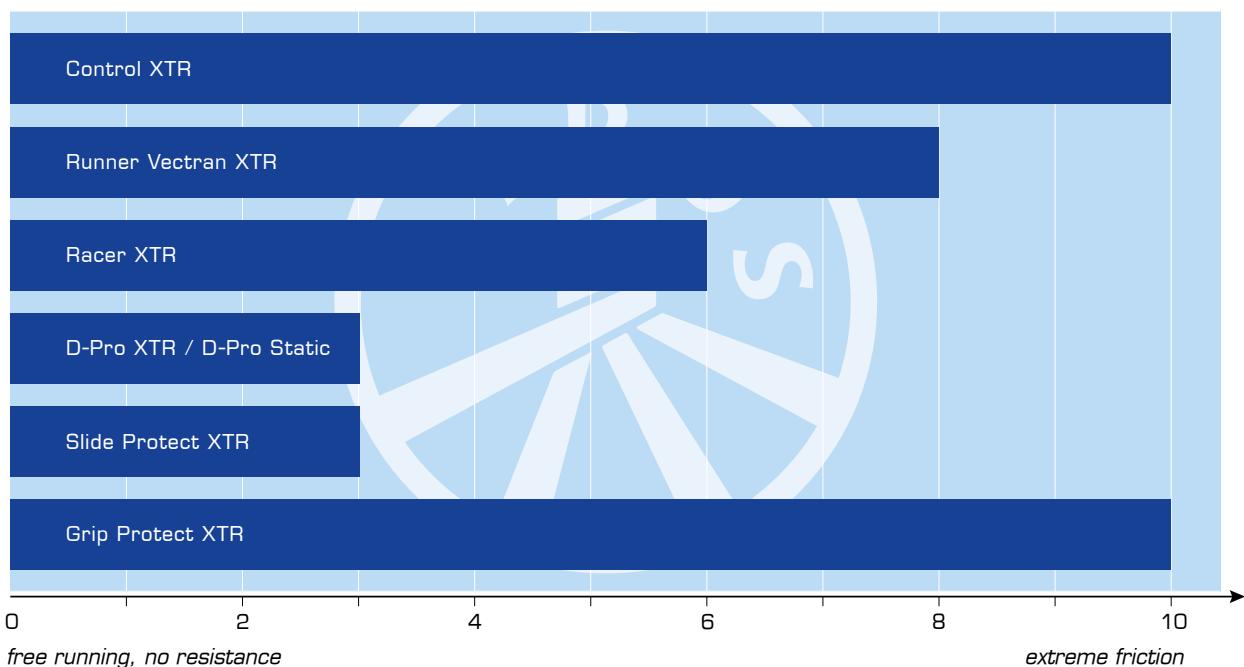


LIROS XTReme Technology

The LIROS XTR range delivers high quality watersports lines with optimised braiding constructions and best core-cover interaction for optimised grip, high abrasion resistance, minimal stretch as well as extreme breaking load.

Grip factor

The LIROS grip factor constitutes one of the most important decision factors for the professional sailor and helps the rigger to select the perfect line with ideal properties. The most diverse requirements in case of grip on winches and in stoppers is paramount in the LIROS XTR-Range.
Grip factor is expected to improve during use.





LIROS Control-XTR

LIROS Control-XTR is a constantly developed line optimised for grip, combined with high abrasion and temperature resistance. For hard use.

- *working stretch < 1 %*
- *grip factor 10 (page 8)*
- *maximum grip under extreme winch and stopper conditions*
- *excellent abrasion resistance*
- *superior cover-core power transference*
- *low stretch*

02224

Cover

Technora® /
high-ten. Polyester

Construction

8 mm 24-plaited
10 mm and up 32-plaited

Core

Dyneema® SK99
12-plaited pre-stretched
with LIROS HSS and
LIROS LCS

Ø mm	Weight g/m	Breaking strength kg	Length m
8	44	6250	200
10	60	8000	200
12	95	11200	200
14	131	14100	150
16	167	17500	100
18	211	20400	100

Technora®

The power of Aramid



Dyneema®

HeatStretch System

LIROS HSS

LIROS Coating System

LIROS LCS

Colours



019 Blue-Black



090 Green-Black



178 Red-Black



239 White-Black



LIROS Runner Vectran®-XTR

04008

LIROS Runner Vectran®-XTR is the rope with ultimate cover for minimal abrasion and high temperature conditions.

- *working stretch < 1 %*
- *grip factor 8 (page 8)*
- *XTReme abrasion resistance at high temperatures up to 200 °C*
- *melt resistant cover*
- *superior cover-core power transference*
- *lowest stretch, top reliability*
- *extreme grip applications*

Cover

100% Vectran®

Construction

32-plaited

Core

Dyneema® SK99
12-plaited
pre-stretched with LIROS
HSS and LIROS LCS

Ø mm	Weight g/m	Breaking strength kg	Length m
6	31	2800	200
8	53	6250	200
10	62	8000	200
12	89	11200	200
14	144	14100	150
16	199	17500	100

Vectran™



Dyneema®

HeatStretch System

LIROS HSS

LIROS Coating System

LIROS LCS

Colour



705 Beige NF



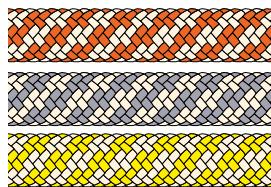
XTREME

LIROS Racer-XTR

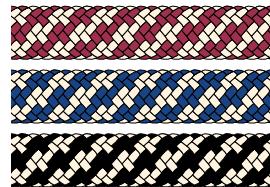
02008

LIROS Racer-XTR offers an exceptional combination of heat-resistant hybrid fibres and high-tenacity Polyester. The extremely low-stretch, colour-treated Dyneema® SK78 core guarantees the best in breaking load and is perfect for cover stripping.

- working stretch < 1 %
- lightweight
- perfect for extreme performance with stripped cover
- excellent abrasion resistance, even at high temperatures
- hybrid fibre prevents cover melting
- ideal interconnected cover-core
- multipurpose sheet and halyard rope
- very low stretch
- LIROS Heat Stretch System

**Vectran™**
LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System
Colours

419 Beige-Orange
262 Beige-Silver
421 Beige-Yellow



422 Beige-Burgundy
263 Beige-Steelblue
549 Beige-Black

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
8	4700	53	200
10	6900	65	200
12	9900	93	200
14	13000	121	150
16	15200	156	100
18	18500	180	100
20	21700	222	100
22	24600	270	100
24	28000	320	100

Cover 50% Vectran® / 50% Polyester
32-plaited

Construction 8mm 24-plaited
10mm and up 32-plaited

Core Dyneema® SK78 with
XTR-Grip-Coating Silver



LIROS D-Pro-XTR

01514

D-Pro-XTR is a 12-plaited braided Dyneema® line with highly durable XTR Grip Coating. Well-suited as a replacement for steel ropes and hard shackles. D-Pro-XTR is the ultimate line for applications that require the least stretch.

- working stretch < 1 %
- XTReme high breaking load
- grip factor 3 (page 8)
- extremely low stretch
- very light weight
- easy to splice
- no water absorption
- easy to cover with Protect-XTR (page 14)

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
2,5	700	3,5	100
3	1150	5	100
4	1500	7	100
5	3200	13	100
6	5600	23	100
8	7000	35	100
10	11000	60	100
12	15000	72	100
14	18000	95	100
16	22400	131	100


LIROS HSS
Heat Stretch System
Colour

205 Silver

Material Dyneema® SK99
Construction 12-plaited



XTREME

LIROS D-Pro Static

01504

LIROS D-Pro Static is the only Dyneema® product with no creep. Ideal for any application where dimensional stability is critical (outhaul, backstay, dinghy shrouds). Also suited for static lines in industrial or other water sports applications.

- *working stretch < 1 %*
- *no creep Dyneema® DM20*
- *high breaking load with smallest diameter and lowest weight*
- *exceptionally easy to splice*
- *highly UV-stable, excellent abrasion resistance*
- *LIROS Coating System LCS*

Ø mm	Weight g/m	Breaking strength kg	Length of spool m
3	5	900	100
4	7	1230	100
5	13	2450	100
6	23	4050	100
8	35	5000	100
10	60	8500	100
12	72	11300	100

Colour205
Silver**Material**

Dyneema® DM20

Construction

12-plaited


LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System

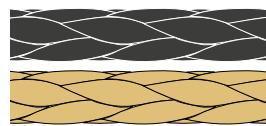

LIROS V-Plus-XTR

04007

V-Plus-XTR is made of 100% Vectran® with high tech XTR Coating. Perfect as a wire replacement or alternative to hard shackles. An ideal line for applications that require constant length, lowest stretch without creep also under load. Vectran® delivers extreme precision. Perfect as bolt rope for high performance sails.

- *working stretch < 1 %*
- *grip factor 7 (see page 8)*
- *no creep*
- *XTReme low initial elongation*
- *high-tech XTR coating*
- *easy to splice*
- *heat resistant up to 200 °C*
- *easy to cover with Protect-XTR*

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
2	400	3	100
3	1100	7	100
4	1500	10	100
5	3000	22	100
6	5000	32	100
8	6800	48	100

Colours188
Black
220
Transparent**Material**

100% Vectran® with LCS Coating

Construction

12-plaited

Vectran™**LIROS LCS**LIROS Coating System



XTREME

LIROS Slide Protect XTR

10148

LIROS Slide Protect-XTR provides a supplemental cover and protects against abrasion in turning blocks and fairleads. Slide Protect-XTR is not suited for protection in stoppers or on winches, the low cover grip factor delivers lowest friction.

- grip factor 3 (page 8)
- very easy to splice
- best abrasion resistance and cut resistance
- 0506 and 0810 available in colour 171 Red

Material

Dyneema® SK78 with XTR-Coating
HMPE ultra high-strength (171 Red)

Colours

LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

171
Red
542
White NF
674
Deep Black

Reference	Measurements mm	Cover mm	for rope Ø mm	Construction	Breaking strength kg	Length of spool m
10148-0506	5 x 1,6	0,8	3–6	24-plaited	800	25
10148-0810	9 x 1,7	0,9	5–10	48-plaited	1600	25
10148-1214	12 x 2,7	1,4	8–12	48-plaited	2500	25
10148-1624	19 x 3,7	1,9	14–22	48-plaited	5500	25

LIROS Grip Protect XTR

04500

LIROS Grip Protect-XTR covers lines, provides optimal abrasion protection and protects the rope on sharp edges. The high-grip surface of this cover delivers the best in power transference inside a halyard stopper.

Technora®

The power of Aramid

- grip factor 10 (page 8)
- very easy to splice
- high cut resistance
- very high heat resistance up to 400 °C

Material

Technora® dope dyed Black

Colour

188
Black

Reference	Measurements mm	Cover mm	for rope Ø mm	Construction	Breaking strength kg	Length of spool m
04500-0506	5,5 x 1,2	0,6	3–6	24-plaited	600	25
04500-0810	10 x 1,7	0,9	5–10	48-plaited	900	25
04500-1214	15 x 2,7	1,4	8–12	48-plaited	1800	25
04500-1624	23 x 3,2	1,6	14–22	48-plaited	3200	25



LIROS Racer-Hybrid

02026

LIROS Racer-Hybrid offers an exceptional combination of heat- and cut-resistant hybrid fibres and high-tenacity Polyester. The cover can be stripped with ease for weight reduction. LIROS Racer-Hybrid has a perfectly balanced cover-core ratio for maximum reliability and best breaking strength.

- working stretch < 1,5%
- excellent abrasion resistance, even at high temperatures
- perfect for extreme performance with stripped cover
- lightweight
- ideal interconnected cover-core
- multipurpose sheet and halyard rope
- LIROS Heat Stretch System

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
6	2900	25	200
8	4200	48	200
10	5500	65	200
12	8000	93	200
14	10500	121	150

Cover 50% Vectran® / 50% Polyester
Construction 6mm 16-plaited
8mm 24-plaited
10mm and up 32-plaited
Core Dyneema® XTR-Grip-Coating Silver

Colours



419
Beige-Orange
421
Beige-Yellow
263
Beige-Steelblue



422
Beige-Burgundy
262
Beige-Silver
549
Beige-Black

Vectran™



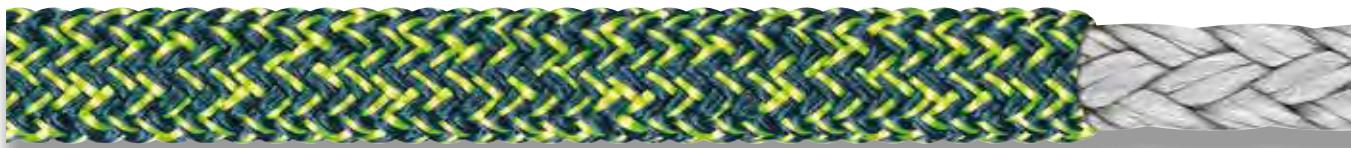
Dyneema®

LIROS HSS

Heat Stretch System

LIROS LCS

LROS Coating System



LIROS Racer Vision

02027

New High-Tech rope in a modern style. Simple stripping and easy to splice. Excellent retention forces on winches and rope stoppers. Perfect design with special abrasion resistant LIROS steelblue Polyester. Special XTR-Grip-Coating.

- working stretch < 1,5%
- maximum breakload and low weight
- ideal for halyards, sheets and winch uses
- easy to splice
- LIROS Heat-Stretch-System

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
8	4200	53	200
10	5500	75	200
12	8000	96	200
14	10500	127	150

Cover Polyester high twisted
Construction 8mm 24-plaited
10mm and up 32-plaited
Core Dyneema® with XTR-Grip-Coating Silver

Colours



212
Steelblue-Blue
353
Steelblue-Green
704
Steelblue-Orange



707
Steelblue-Neon Yellow
774
Steelblue-Silver



Dyneema®

LIROS HSS

Heat Stretch System

LIROS LCS

LROS Coating System



LIROS Racer

02001

Proven, durable Dyneema® rope with high breaking load and low stretch featuring a specially-engineered 32-plaited cover and coated Dyneema® SK78 fibre core. For halyards and sheets. Very suitable for winches.

- *working stretch < 1,5 %*
- *high breaking load, easy handling and non-kinking*
- *for halyards and sheets*
- *very good winch suitability*
- *LIROS Heat-Stretch-System*

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
6	2500	27	200
8	3800	51	200
10	5000	71	200
12	7200	85	200
14	9500	115	150
16	12600	144	100

Colours

	130 Navy
	150 Orange
	171 Red
	525 Black NF
	529 Silver NF
	542 White NF

**Cover**

Polyester high-twisted

Construction

6–8mm	24-plaited
10mm and up	32-plaited

Core

Coated Dyneema® SK78 with additional cover plait

LIROS V-Force

04000

LIROS V-Force with high strength Vectran® fibre. Super low stretch, comparable to wire, extremely durable and abrasion resistant. Excellent holding strength in stoppers and cleats with specialised 32-plait cover, ideal for halyards and backstays.

- *working stretch < 1 %*
- *very low initial stretch*
- *ideal interconnected cover-core*
- *best stopper durability*
- *no creep*

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
6	1400	24	200
8	3000	56	200
10	3700	80	200
12	5300	105	200

Colours

	423 Silver-Red
	424 Silver-Green
	445 Silver-Black
	593 Silver-Blue

**Cover**

Polyester high-twisted

Construction

3–5mm	16-plaited
6–8mm	24-plaited
10mm and up	32-plaited

Core

Vectran®, 8mm and up with additional cover plait



LIROS Regatta 2000

02000

Very low-stretch line for halyards, spinnaker and genoa sheets. An extremely light and durable high-performance rope with abrasion resistant braided cover and inner cover. Specialised core of coated Dyneema® SK78.

- working stretch < 1,5 %
- extreme break resistant, light and durable
- 30% more abrasion resistant than conventional Polyester
- LIROS Heat-Stretch-System

Cover

Special Polyester high-twisted

Construction

2-3 mm 16-plaited
4 mm and up 1:1 plaited



Core
Coated Dyneema® SK78,
8 mm and up with additional cover plait

Colours

	354 Steel-blue-Red		212 Steel-blue-Blue		352 Steel-blue-Yellow		205 Silver		952 Steel-blue-Neon Orange		228 White		525 Black NF		705 Beige NF (8-12 mm)
	354 Steel-blue-Red		212 Steel-blue-Blue		352 Steel-blue-Yellow		205 Silver		952 Steel-blue-Neon Orange		228 White		525 Black NF		705 Beige NF (8-12 mm)
	354 Steel-blue-Red		212 Steel-blue-Blue		352 Steel-blue-Yellow		205 Silver		952 Steel-blue-Neon Orange		228 White		525 Black NF		705 Beige NF (8-12 mm)
	354 Steel-blue-Red		212 Steel-blue-Blue		352 Steel-blue-Yellow		205 Silver		952 Steel-blue-Neon Orange		228 White		525 Black NF		705 Beige NF (8-12 mm)
	354 Steel-blue-Red		212 Steel-blue-Blue		352 Steel-blue-Yellow		205 Silver		952 Steel-blue-Neon Orange		228 White		525 Black NF		705 Beige NF (8-12 mm)

LIROS Dynamic Plus

02004

Easy-handling, abrasion resistant line with low stretch, premium Polyester cover and Dyneema® SK78 core. Suitable for use as a highend sheet, or low-stretch halyard by advanced cruising sailors.

- working stretch < 2 %
- kink-free, low-stretch sheets for cruiser-racers
- easy to splice
- LIROS Heat-Stretch-System

Colours

	228 White		LIROS HSS		LIROS LCS		232 White-Green		236 White-Red
	228 White		LIROS HSS		LIROS LCS		232 White-Green		236 White-Red
	228 White		LIROS HSS		LIROS LCS		232 White-Green		236 White-Red
	228 White		LIROS HSS		LIROS LCS		232 White-Green		236 White-Red

Cover

Polyester high twisted

Construction

3-5 mm 16-plaited
6-8 mm 24-plaited
10mm and up 32-plaited

Core

Dyneema® coated,
6mm and up with additional
cover plait



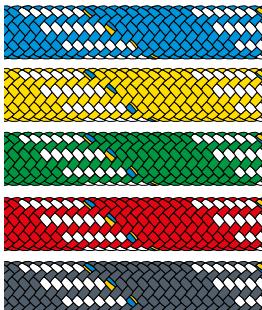
LIROS Dynamic Color

02028

Easy-handling, abrasion resistant line with low stretch, premium Polyester cover and Dyneema® SK78 core. Suitable for use as a highend sheet, or low-stretch halyard by advanced cruising sailors.

- *working stretch < 2%*
- *kink-free, low-stretch sheets for cruiser-racers*
- *easy to splice*
- *LIROS Heat-Stretch-System*

Colours



021	Blue-White
067	Yellow-White
092	Green-White
179	Red-White
775	Dark Grey-White



Dyneema®

LIROS HSS

Heat Stretch System

LIROS LCS

LRCO Coating System

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
3	500	7	250
4	750	11	250
5	900	17	250
6	1300	21	200
8	2500	38	200
10	3400	69	200
12	4800	89	200
14	6500	119	150

Cover

Polyester high twisted

Construction

3–5 mm	16-plaited
6–8 mm	24-plaited
10 mm and up	32-plaited

Core

Dyneema® coated,
6mm and up with additional cover plait

LIROS Max Load System (MLS)

LIROS MLS crafted halyards and sheets for all popular boat sizes. Regatta ready, manufactured to exact LIROS standards. LIROS MLS with integrated shackle comes in a handy MLS mesh stow bag.

- *Premium workmanship*
- *Product information see above*



LIROS HSS

Heat Stretch System

LIROS LCS

LRCO Coating System

Colours
021 Blue-White
179 Red-White

Halyard (Main, Genoa, Spi)



halyard shackle

soft shackle

021	Blue-White	179	Red-White
-----	------------	-----	-----------

Reference	Ø mm	Length m	Attachment / halyard shackle	Breaking strength kg	Boat Size ft
02028-0830	8	30	pilot eye / spliced Wichard 81433	2000	22–29
02028-1035	10	35	pilot eye / spliced Wichard 81434	2700	30–36
02028-1240	12	40	pilot eye / spliced Wichard 81434	3800	37–42

Sheet (Spi, Genoa)

Reference	Ø mm	Length m	Attachment / soft shackle	Breaking strength kg	Boat Size ft
02028-0825	8	25	whipping / soft shackle 2t	2000	22–36
02028-1025	10	25	whipping / soft shackle 4t	2700	37–40
02028-1230	12	30	whipping / soft shackle 4t	3800	40–42



PERFORMANCE

LIROS D-Pro

01505

LIROS Heat-Stretch-System guarantees optimal breaking loads and stretch characteristics of this line. Excellent chafing resistance, light weight, and easy spliceability make this line irreplaceable in all sorts of applications on racing boats of any size. Perfect as a replacement for steel cabling in technical applications.

- working stretch < 1 %
- very high breaking load with small diameter and very low weight
- first choice for any application under extreme loads
- very spliceable
- highly UV stable and chafe resistant
- LIROS Heat-Stretch-System

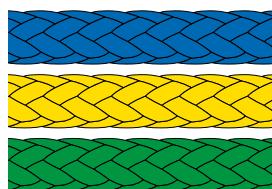
Material Coated Dyneema® SK78

Construction 12-plaited, heat-set and coated



LIROS HSS
Heat Stretch System
LIROS LCS
LCS Coating System

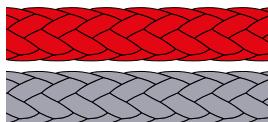
Colours



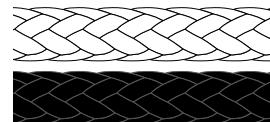
010
Blue

059
Yellow

086
Green



Not certified for lifting loads and personal security!



228
White
674
Deep Black

NEW

LIROS Speed Vision

01572

LIROS Speed Vision closes the gap between conventional polyester halyards and high-quality superior halyard-material of Dyneema. Due to the elaborate construction this rope is very handy and easy to splice. LIROS Speed Vision is perfectly suitable for the use as a low-priced halyard, control line or sheet.

- working stretch < 3 %
- robust and handy construction
- easy to splice
- LIROS Heat-Stretch-System

Colours



229
White-Blue

303
White-Neon Orange

Dyneema®
LIROS HSS
Heat Stretch System



404
White-Silver

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
1	195	0,9	100
1,5	230	1,3	100
2	410	1,8	100
2,5	580	3,5	100
3	950	4,6	100
4	1300	7	100
5	2600	13	100
6	4300	23	100
8	5300	35	100
9	7500	49	100
10	9000	60	100
12	11900	72	100
14	14500	95	100
16	19200	131	100

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
8	1600	43	200
10	2500	65	200
12	3500	100	200

Cover

Polyester

Construction

24-plaited

Core

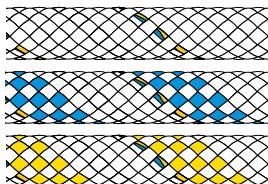
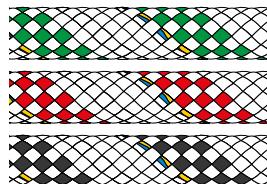
Dyneema® / Polypropylene

**LIROS Herkules****00154**

Very resistant, extremely versatile premium quality rope. Specially designed for sheets and control lines on yachts of every size. Very durable and low stretch, easily spliced to wire – heat set. Excellent grip on winch drums, exceptionally abrasion resistant cover. First choice for Cruising yachts with extremely high standards.

- *working stretch < 5%*
- *very high quality line for the demanding Cruising yacht*
- *easy to splice and absolutely non-kinking*
- *extremely durable, even under hard winching conditions*

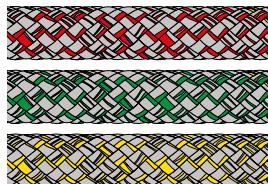
Ø mm	Breaking strength kg	Length of spool m
4	400	250
5	650	250
6	800	200
8	1600	200
10	2500	200
12	3500	200
14	4500	150
16	5000	100
18	6300	100

Colours228
White229
White-Blue231
White-Yellow232
White-Green236
White-Red239
White-Black**Cover** high-strength Polyester**Construction** 1:1 plaited**Core** high-strength Polyester plaited**LIROS Herkules Vision****01552**

Fresh colours combined with our premium silver grey Polyester. Very resistant, extremely versatile, top quality line. Specially designed for sheets and control lines on yachts of every size. Very durable and low stretch – heat set. Excellent grip on winch drums, exceptionally abrasion resistant cover. First choice for Cruising yachts with extremely high standards.

- *working stretch < 5%*
- *very high quality line for the demanding Cruising yacht*
- *very broad range of uses: sheet, halyard or control line*
- *easy to splice and absolutely non-kinking*
- *extremely durable, even under hard winching conditions*

Ø mm	Breaking strength kg	Length of spool m
6	800	200
8	1600	200
10	2500	200
12	3500	200
14	4500	150
16	5000	100

Colours423
Silver-Red424
Silver-Green432
Silver-Yellow445
Silver-Black458
Silver-Orange593
Silver-Blue**Cover** high-strength Polyester dope dyed**Construction** 1:1 plaited**Core** high-strength Polyester plaited



LIROS Herkules Color

01550

Very resistant, extremely versatile premium quality rope. Specially designed for sheets and control lines on yachts of every size. Very durable and low stretch, easily spliced to wire – heat set. Excellent grip on winch drums, exceptionally abrasion resistant cover. First choice for Cruising yachts with extremely high standards.

- working stretch < 5%
- the full-colour alternative to LIROS Herkules with high quality spun-dyed Polyester cover

Colours

171
Red
010
Blue
059
Yellow
166
Multicolor
705
Beige NF



086
Green
188
Black
130
Navy
529
Silver NF

Ø mm	Breaking strength kg	Length of spool m
4	400	250
5	650	250
6	800	200
8	1600	200
10	2500	200
12	3500	200
14	4500	150
16	5000	100
18	6300	100

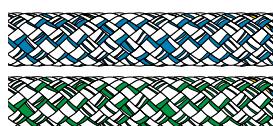
**Cover** high-strength Polyester dope dyed**Construction** 1:1 plaited**Core** high-strength Polyester plaited

LIROS Top Grip

01540

The new generation of high quality Cruising sheets. LIROS Top Grip has been specially developed for use on all Cruising yachts up to 50 feet. Maximum grip on winch drums delivers great control and easy handling in all situations.

- working stretch < 5%
- perfect handling
- smooth, comfortable surface
- maximum grip
- best abrasion resistance
- very durable construction

Colours

229
White-Blue
232
White-Green



236
White-Red
239
White-Black

Ø mm	Breaking strength kg	Length of spool m
6	750	200
8	1350	200
10	2200	200
12	3000	200
14	4000	150

**Cover** Polyester grip fibre and high-tensile, spun-dyed Polyester**Construction** 1:1 plaited**Core** high-strength Polyester plaited

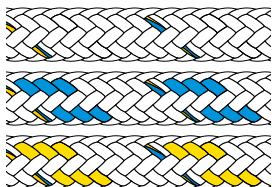


LIROS Top-Cruising

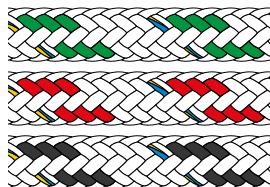
00152

Very durable, kink-free, long-lasting sheet made of 100% high-tenacity Polyester. For use as mainsail, jib, and spinnaker sheets. Ideal for blue water sailing and long distances. Easy to splice – heat set.

- working stretch < 5%
- the classic sheet for sailing yachts of any size
- non-kinking, easy-handling line with abrasion resistant cover and high breaking load
- easy-to-splice multi-purpose line

Colours

228
White
229
White-Blue
231
White-Yellow



232
White-Green
236
White-Red
239
White-Black

Ø mm	Breaking strength kg	Length of spool m
4	500	250
5	780	250
6	1000	200
7	1300	200
8	1800	200
10	2900	200
12	3300	200
14	3800	150
16	6100	100
18	6900	100
20	9700	100

LIROS
GREEN WAVE

Cover

high-strength Polyester

Construction

Ø 4–8 mm 16-plaited
Ø 10 mm and up 20-plaited

Core

high-tenacity braided Polyester

LIROS Top-Cruising-Color

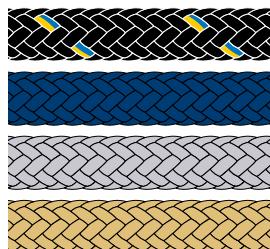
01528

Very durable, kink-free, long-lasting sheet made of 100% high-tenacity Polyester. For use as mainsail, headsail and spinnaker sheets. Ideal for blue water sailing, long distances. Easy to splice – heat set.

- working stretch < 5%
- the full-colour alternative to LIROS Top-Cruising with high quality spun-dyed Polyester cover

Colours

010
Blue
059
Yellow
086
Green
171
Red



188
Black
523
Navy NF
529
Silver NF
705
Beige NF

Ø mm	Breaking strength kg	Length of spool m
4	500	250
5	780	250
6	800	200
8	1800	200
10	2700	200
12	3200	200
14	3700	150

LIROS
GREEN WAVE

Cover

spun-dyed Polyester

Construction

Ø 4–8 mm 16-plaited
Ø 10 mm and up 20-plaited

Core

high-tenacity braided Polyester



LIROS Allround

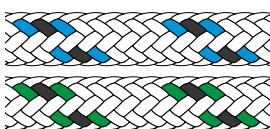
Economical double-braid for universal use in industry and watersports. Low water absorption, easy to handle, abrasion resistant – heat set.

- working stretch < 8 %
- handy, economical, winch-ready sheet
- cover construction with good abrasion resistance
- minimal water absorption, well-suited for yachts up to 40 feet

00151

Ø mm	Breaking strength kg	Length of spool m
6	800	200
8	1400	200
10	2200	200
12	2600	200
14	3300	150

Colours



229
White-Blue
232
White-Green



236
White-Red

Cover

Polyester

Construction

Ø 6–8 mm 16-plaited
Ø 10 mm and up 20-plaited

Core

high-tenacity braided Polypropylene multifilament



LIROS Seastar

00162 / 00172 / 00173

High quality, grippy Polyester sheet with exceptionally soft, easy to grip cover – heat set. Classic design, available in eight different colours with LIROS blue and gold flecks.

- working stretch < 6 %
- soft, easy-to-handle, braided line
- salt water- and abrasion-resistant colours
- easily distinguishable colours help differentiate lines on deck

Ø mm	Breaking strength kg	Length of spool m
6	520	200
8	1000	200
10	1900	200
12	2400	200
14	2900	150

Colour 00162



228
White

Colour 00173

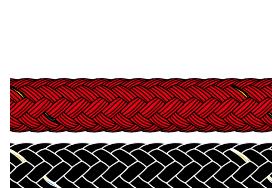


546
Hemp NF

Colours 00172



010
Blue
086
Green
130
Navy



171
Red
188
Black

Cover

Polyester yarn matt

Construction

Ø 6–8 mm	16-plaited
Ø 10–12 mm	20-plaited
Ø 14 mm	24-plaited

Core

high-tenacity braided Polyester

**LIROS Standard****01082**

Economical and soft sheet with easy to grip spun Polyester cover – heat set.

- *working stretch < 8%*
- *soft and easy to grip*
- *all-purpose sheet*

Ø mm	Breaking strength kg	Length of spool m
6	500	200
8	1000	200
10	1600	200
12	2500	200
14	3000	150

Colours229
White-Blue236
White-Red**Cover**

matt Polyester yarn

Construction

Ø 6–12 mm	16-plaited
Ø 14 mm and up	20-plaited

Core

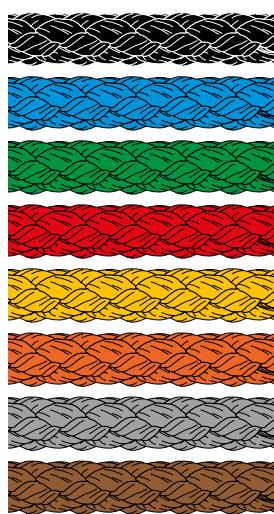
high-tenacity braided Polypropylene

**LIROS Nautic****01072**

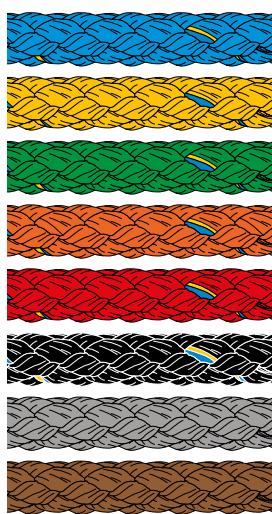
Soft, very light, and easy-to-handle spisheet for dinghies or small keelboats. Can also be used as water-ski rope or towline. Spun-dyed, multi-purpose floating line. Round-woven, UV-stabilised, durable Polypropylene multifilament. **1–5 mm without flecks**. 6–16 mm with flecks in blue/gold.

- *working stretch < 12%*
- *very lightweight*
- *easy to handle*
- *floatable*
- *UV-stabilised*

Ø mm	Breaking strength kg	Length of spool m
1	30	500
1,5	38	500
2	70	500
3	140	500
4	280	500
5	390	250
6	550	200
8	900	200
10	1230	200
12	1700	200
14	2000	150
16	3700	100

Colours Ø 1–5 mm (NF)

525	Black
526	Blue
527	Green
530	Red
536	Yellow
539	Orange
541	Grey
543	Brown

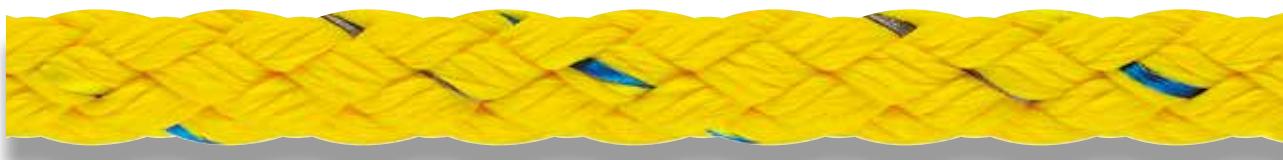
Colours Ø 6–16 mm

010	Blue
059	Yellow
086	Green
150	Orange
171	Red
188	Black
541	Grey NF
543	Brown NF

Material
Polypropylene multifilament

Construction
8-plaited

LIROS
GREEN WAVE



LIROS Reflecta

High-quality safety line for recovering individuals, for use with rescue systems or rigid danbuoys. Floating line with reflective fleck, making the rope easily visible under torch or spotlight illumination.

- working stretch < 12%
- reflective flag
- round
- floats

02100

Ø mm	Breaking strength kg	Length of spool m
6	550	200
8	900	200

Colour



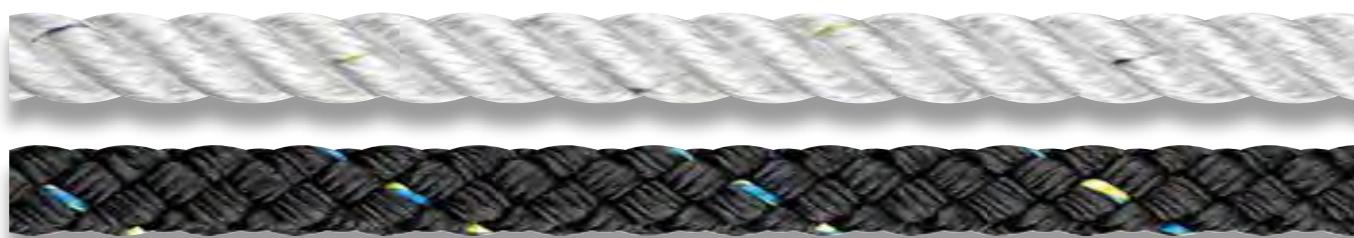
059
Yellow

Material

Polypropylen multifilament with reflective fleck

Construction

8-plaited



LIROS Prestretch

00121 / 00122

Pre-stretched for low elongation. Use for wire halyard leaders, control lines on dinghies and small boats – heat set. Perfect for many industrial applications.

- working stretch < 4 %
- low stretch, inexpensive Polyester halyard for smaller boats and traditional Cruising yachts
- 3-strand, very easy to splice (Ref. 00121)

Reference	Ø mm	Breaking strength kg	Length of spool m
00121	4	420	250
	5	600	250
	6	820	200
00122	4	420	250
	5	580	250
	6	800	200

Colour 00121



228
White

LIROS
GREEN WAVE

Colours 00122



188
Black



228
White

Material

Polyester heat-set

Construction

00121 twisted 3-strand

00122 8-plaited



MOORING

LIROS Super Yacht Mooring 01300

LIROS Super Yacht Mooring is a mooring line developed for superyachts up to 200 feet. Flexible core provides the best in safety, while the specialised LIROS cover delivers premium comfort. Our high end LIROS version with eye splice and protective leather chafing guard available upon request in individual lengths.

- *working stretch > 15%*
- *ultimate in safety*
- *extremely easy to handle*
- *highly abrasion resistant LIROS leather guard eye splice in brown or black*

Reference	Ø mm	Boat size * ft	Breaking strength kg	Weight g/m
01300-2400	24	70 - 90	11500	360
01300-2800	28	≤ 120	15900	500
01300-3200	32	≤ 150	19800	850
01300-3600	36	≤ 180	26000	920
01300-4000	40	≤ 200	32800	970
01300-4400	44	≤ 220	38500	1170
01300-4800	48	≤ 250	46000	1680
01300-5200	52	≤ 280	53500	1970

* for yachts heavier than average, choose the next larger diameter

Cover	Polyester high-twisted dope dyed
Construction	24-plaited, coated
Core	high-tenacity braided Polyester



LIROS
LCS
LIROS Coating System

Colours

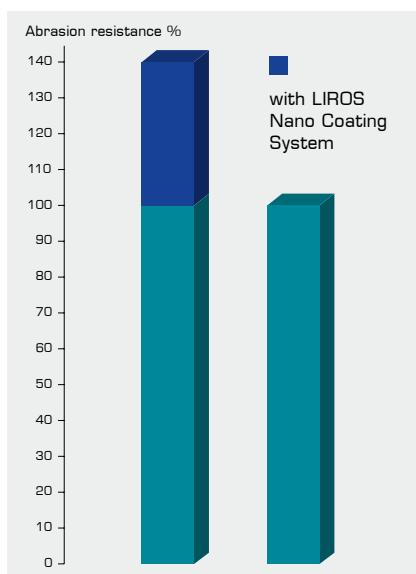
	130 Navy
	188 Black
	308 Dark Grey



Leather chafing guard



100% hand-sewn, Made in Germany



Abrasion testing in LIROS labs



Premium whipping



LIROS Handy-Elastic

00136 / 00137

The top performer in LIROS tests. High-stretch, extremely abrasion resistant mooring line, towline or anchor line. Specially designed with high elastic fibres. Can be used for shock absorption in extreme settings.

- working stretch > 20%
- very easy to splice
- highly elastic and highly UV-stable
- extremely abrasion resistant
- very easy to handle
- very low-noise (when pulsating) under varying loads
- up to 40mm diameter available upon request

Ø mm	Breaking strength kg	Length of spool m
8	1600	200
10	2500	200
12	3900	200
14	4800	150
16	6000	100
18	8500	100
20	9900	100
22	10600	100
24	12000	100

Colours 00136



142
Navy-Yellow
188
Black
942
Dark Grey-Black-Red

Cover

high-strength Polyamide

Construction

1:1 plaited

Core

high-elastic braided Polyamide



Colour 00137



289
White-Black-Red



LIROS Handy-Elastic pre spliced

Reference 00136/00137	Ø mm	Length m	Eye splice cm
-1006	10	6	40
-1010	10	10	40
-1015	10	15	40
-1206	12	6	40
-1210	12	10	40
-1215	12	15	40
-1406	14	6	40
-1410	14	10	40
-1415	14	15	40

Reference 00136/00137	Ø mm	Length m	Eye splice cm
-1606	16	6	40
-1610	16	10	40
-1615	16	15	40
-1806	18	6	40
-1810	18	10	40
-1815	18	15	40



LIROS splices are guaranteed up to 80% of the stated linear breaking load!

**LIROS Porto**

Very easy to handle 100% Polyester mooring or anchor line. Extremely strong and abrasion resistant, will not stiffen up. Special twist construction for high stretch.

- *working stretch > 15%*
- *very easy to splice*
- *highly UV-stable*
- *high strength and excellent abrasion resistance*

Colours

130
Navy
188
Black

Cover

Polyester high twisted

Construction

Ø 8–10 mm 16-plaited
Ø 12 mm and up 20-plaited

Core

high-strength Polyester braid

00133

Ø mm	Breaking strength kg	Length of spool m
8	1650	200
10	2300	200
12	2900	200
14	3700	150
16	4900	100
18	5300	100
20	6300	100
22	8900	100

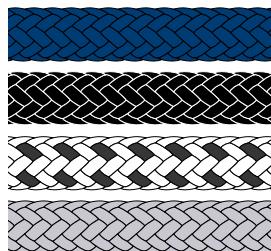
**LIROS Porto pre spliced**

Reference	Ø mm	Length m	Eye splice cm
00133-1006	10	6	40
00133-1010	10	10	40
00133-1015	10	15	40
00133-1206	12	6	40
00133-1210	12	10	40
00133-1215	12	15	40
00133-1406	14	6	40
00133-1410	14	10	40
00133-1415	14	15	40
00133-1606	16	6	40
00133-1610	16	10	40
00133-1615	16	15	40
00133-1806	18	6	40
00133-1810	18	10	40
00133-1815	18	15	40

Reference	Ø mm	Length m	Eye splice
00133-1030	10	30	S/S thimble
00133-1230	12	30	S/S thimble
00133-1430	14	30	S/S thimble
00133-1630	16	30	S/S thimble



LIROS splices are guaranteed up to 80% of the stated linear breaking load!

Colours

130
Navy
188
Black
239
White-Black
529
Silver

**LIROS Green Wave Porto****00134**

A very easy to handle mooring and anchor line manufactured in a core cover construction. Made from 100% recycle polyester, tear and abrasion resistant and will not harden. High stretch achieved through a special twisting construction.

- stretch > 15%
- very easy to splice
- easy handling and UV stable
- tear and abrasion resistant

Ø mm	Breaking strength kg	Length of spool m
8	1450	200
10	2000	200
12	2600	200
14	3300	150
16	4400	100
18	4700	100
20	5600	100
22	8000	100

Colour

271

White-Black-Green

**Cover**

R-PET high twisted

Construction

Ø 8–10 mm	16-plaited
Ø 12 mm and up	20-plaited

Core

high-strength R-PET braid

**LIROS PES 3-strand Green Wave** **01114**

A classic rope for mooring and anchoring, very easy to splice, tear and abrasion resistant. 3-strand twist, made from 100% recycled Polyester.

- working stretch > 15%
- very easy to splice
- very strong and abrasion resistant
- heat-set
- good UV stability
- perfect for a lot of industrial applications

Ø mm	Breaking strength kg	Length of spool m
12	2300	200
14	3200	150
16	4500	100

Colour

271

White-Black-Green

**Material**

High Strength R-PET

Construction

3-strand, heat-set

**LIROS Holiday****01083**

A textured, grippy but soft mooring line for travelling. Light as a feather for low water absorption. Good abrasion resistance for sailing trips. Kink free for easy mooring.

- *working stretch < 15%*
- *easy splicing*
- *light and floatable*
- *very good price-performance ratio*

Colour381
Black-Silver**Material**

spun dyed Polypropylene multifilament

Construction

16-plaited

**LIROS Bumperline****01079**

Premium square-braided fender line. Smooth material lays flat against topsides. Soft and easy to handle. Spliced attachments on both ends. 100% UV stabilised Polypropylene multifilament. Length between splices: 2,5 m, diameter: 12 mm.

- *pliable*
- *lays cleanly against topsides*
- *soft and easy to handle*
- *low water absorption*
- *floatable*

Colour130
Navy**Material**

spun dyed Polypropylene multifilament

Construction

8-plaited square braiding

Reference	Ø mm	Length m
01079-5001	50	5
01079-5002	50	7,5

**LIROS-Fenderline****01580**

- *pair of premium fender lines*
- *eye splice (15cm) on one end*
- *ready-made or on reels*



Reference	Ø mm	Length m	Breaking strength kg	Eye cm
01580-0802	8	1,5	900	15
01580-0800	8	100	1000	—
01580-1002	10	2	1500	15
01580-1000	10	100	1500	—

**Colour**188
Black

**LIROS Squareline-PES****01047 / 01049**

Super pliable, easy handling square-braided mooring or anchor line of 100% high-tenacity Polyester. 100% kink-free, easy to splice and easily joined to chain.

- working stretch > 15%
- soft and easy to handle, extremely UV-stable
- smooth, comfortable feel
- non-kinking and extremely abrasion resistant
- easy to splice

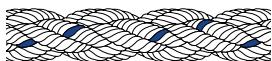
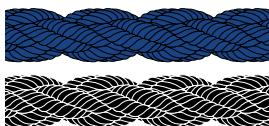
Material

high-strength Polyester

Construction

8-plaited Octoplait

Ø mm	Breaking strength kg	Length of spool m
10	2000	200
12	2400	200
14	3800	150
16	4700	100
18	5800	100
20	7600	100
22	8600	100
24	10700	100
26	13700	100
28	15000	100

Colour 01047229
White-Blue**Colours 01049**130
Navy
188
Black**LIROS Squareline-PP****01078 / 01079 / 01080**

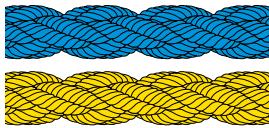
Very light and easy-to-handle mooring line, land line, or towing line. High-strength, floating, UV-stabilised.

- working stretch > 15%
- floats
- low water absorption
- Ø 22 to 28mm only available in 059 Yellow

Materialhigh-strength Polypropylene
multifilament**Construction**

8-plaited Octoplait

Ø mm	Breaking strength kg	Length of spool m
12	2100	200
14	2700	150
16	3400	100
18	4000	100
20	5000	100
22	6300	100
24	7400	100
26	8500	100
28	9800	100

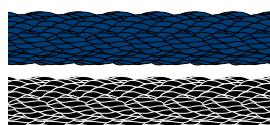
Colour 01078228
White**Colours 01079**010
Blue
059
Yellow**Colour 01080**188
Black

**LIROS Moorex 12****00132**

Very pliable, easy to handle, high-stretch mooring line. Hollow braided, very easy to splice. 12-plaited high-tenacity Polyester.

- *working stretch > 15%*
- *economical braided LIROS mooring line*
- *very smooth and easy to handle*
- *high stretch*
- *easy to splice*

Ø mm	Breaking strength kg	Length of spool m
10	2400	200
12	3000	200
14	4000	150
16	4600	100
18	5300	100
20	7200	100

Colours130
Navy188
Black**Material**

high-strength Polyester

Construction

12-plaited

**LIROS Moorex 12 pre spliced**

Reference	Ø mm	Length m	Eye splice cm
00132-1006	10	6	40
00132-1010	10	10	40
00132-1015	10	15	40
00132-1206	12	6	40
00132-1210	12	10	40
00132-1215	12	15	40
00132-1406	14	6	40
00132-1410	14	10	40
00132-1415	14	15	40

Reference	Ø mm	Length m	Eye splice cm
00132-1606	16	6	40
00132-1610	16	10	40
00132-1615	16	15	40
00132-1806	18	6	40
00132-1810	18	10	40
00132-1815	18	15	40



LIROS splices are guaranteed up to 80% of the stated linear breaking load!

LIROS Flat-Elastic**00140**

Newly designed mooring line without a core. Exceptional handling, durable, tear and abrasion resistant. Space saver, and very flexible.

- *working stretch > 20 %*
- *highly elastic and UV-stable*
- *very easy to splice*

Ø mm	Breaking strength kg	Length of spool m
12	2400	200
14	3400	150
16	4200	100

Colour188
Black**Material**

high-strength Polyamide

Construction

1:1 plaited





LIROS Polyester Rope

00111 / 01110

Classic, very easy to splice, high strength, abrasion resistant rope for mooring and anchoring. 3-strand made of 100% Polyester. Heat-set. According to **DIN EN ISO 1141** standards (previously DIN EN 697, DIN 83381), heat set.

- *working stretch > 15%*
- *very easy to splice*
- *extremely strong and abrasion resistant*
- *heat-set*
- *highest UV stability*
- *perfect for a lot of industrial applications*



Colour 00111



228
White

Material

high-strength Polyester

Construction

3-strand, heat-set

Colours 01110



130
Navy
188
Black

Ø mm	Breaking strength kg	Length of spool m
3	280	250
4	400	250
5	600	250
6	800	200
8	1400	200
10	2000	200
12	2600	200
14	3600	150
16	5000	100
18	6000	100
20	7000	100
22	9000	100
24	10500	100
30	14800	100



LIROS Polyester Rope pre spliced

Reference	Ø mm	Length m	Eye splice cm
00111-1006	10	6	40
00111-1010	10	10	40
00111-1015	10	15	40
00111-1206	12	6	40
00111-1210	12	10	40
00111-1215	12	15	40
00111-1406	14	6	40
00111-1410	14	10	40
00111-1415	14	15	40
00111-1606	16	6	40
00111-1610	16	10	40
00111-1615	16	15	40

Reference	Ø mm	Length m	Eye splice
00111-1030	10	30	S/S thimble
00111-1230	12	30	S/S thimble
00111-1430	14	30	S/S thimble
00111-1630	16	30	S/S thimble



LIROS splices are guaranteed up to 80% of the stated linear breaking load!

Colour 00111



228
White

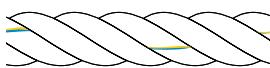


LIROS Polyamide Rope

00110

Classic mooring line with high elasticity. 3-strand twist for easy splicing. High strength and excellent abrasion resistance. 100% heat-set Nylon, according to **DIN EN ISO 1140** (previously DIN EN 696, DIN 83330), heat set.

- *working stretch > 20%*
- *very easy to splice*
- *extremely durable and abrasion resistant*
- *UV stabilised*
- *perfectly suited for multiple industrial uses*

Colour228
White

Material high-strength Polyamide
Construction 3-strand, heat-set

Ø mm	Breaking strength kg	Length of spool m
4	380	250
5	600	250
6	900	200
8	1440	200
10	2400	200
12	3300	200
14	4400	150
16	5600	100
18	7000	100
20	8140	100
22	9800	100
24	11800	100
30	17400	100
32	19600	on request
36	24400	on request



LIROS Lirolen

01120 / 01123 / 01126

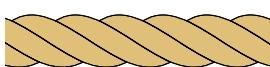
All-purpose, floating 3-strand rope. Easy to splice, stays pliable even after extensive usage. According to **DIN EN ISO 1346** (previously DIN EN 699, DIN 83332)

01120: Polypropylene multifilament, heat-set, white
01123: Polypropylene multifilament spun dyed, heat-set
01126: Polypropylene multifilament spun dyed, heat-set

- *working stretch > 15%*
- *easy to splice*
- *economical, allround line*
- *low water absorption*
- *floatable*
- *perfect for many industrial applications*



Ø mm	Breaking strength kg	Length of spool m
4	280	250
5	425	250
6	600	200
8	1000	200
10	1500	200
12	2120	200
14	2800	150
16	3750	100
18	4500	100
20	5600	100

Colour 01120228
White**Colour 01126**705
Beige NF**Colours 01123**

010

Blue



130

Navy



188

Black

Material

high-strength Polypropylene multifilament

Construction

3-strand, heat-set



LIROS Handy-Anchor

01320

High quality anchor line with lead weight built into the last ten meters. Can be used without chain, especially easy to handle and stow. Available in 20, 30 and 40m lengths, with spliced S/S-thimble and whipping. 100% Polyester abrasion and UV-resistant. Comes in handy, blue LIROS kitbag.

- can be used without chain
- super easy to handle
- very simple to stow
- attractive LIROS kitbag

Colour



229
White-Blue

Cover

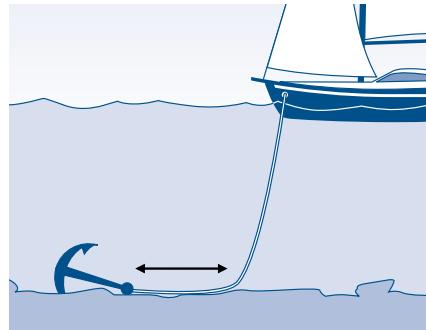
Polyester

Construction

20-plaited

Core

Polyester, lead
(10m from S/S thimble)



All lengths have 10 m of integrated lead weighting and steel thimble.



LIROS Winch-Master

W1322

Similar to LIROS Handy-Anchor, but optimised to withstand windlass usage.

- completely with lead core
- attractive LIROS kitbag

Colour



228
White



Ø mm	Breaking strength kg	Weight kg	Length of spool m
12	1500	4,5	30
12	1500	5,9	40
12	1500	7,4	50
14	2200	11,0	40
14	2200	14,2	50
16	3100	12,9	40
16	3100	16,1	50

Cover

Polyester

Construction

12mm
14mm and up 16-plaited
14mm and up 20-plaited

Core

Polyester, lead

**LIROS Magic XTR****01513**

LIROS Magic XTR is ideal for use in dinghies and multihulls. Superior high grip, extremely durable cover. Perfect in cleats. The professional's choice.

- *working stretch < 1 %*
- *grip factor 9 (page 8)*
- *removable cover for top performance*
- *superior abrasion resistance – combo-cover (twisted Technora®/Dyneema®)*
- *best cover-core attachment*
- *very low stretch, highest breaking load*
- *LIROS Heat-Stretch-System*

Ø mm	Breaking strength kg	Length of spool m
4	620	100
5	1400	100
6	1800	100

**Technora®**

The power of Aramid

LIROS HSS

Heat Stretch System

Colours

231

White-Yellow



239

White-Black

Cover

Technora®/Dyneema® Mix

Construction

4–5 mm	16-plaited
6 mm	24-plaited

Core

Dyneema® SK78 with
LIROS XTR Grip Coating

LIROS Magic Control XTR**02024**

Maximum grip for exact control of your dinghy. High tech materials provide highest reliability and enable precise manoeuvres, when it counts.

- *working stretch < 1 %*
- *coated core*
- *highest abrasion resistance due to high-tech fibres in the cover*
- *very resistant and handy*
- *minimum stretch*
- *very good hold in cleats*
- *LIROS Heat-Stretch-System*

Ø mm	Breaking strength kg	Length of spool m
4	1100	100
5	1450	100
6	2800	100

**Technora®**

The power of Aramid

LIROS HSS

Heat Stretch System

Colours

178

Red-Black



190

Blue-Black



239

White-Black



652

Neon Yellow-Black

Cover

Technora®/Polyester

Construction

4–5 mm	16-plaited
6 mm	24-plaited

Core

Dyneema® SK78 silver with
LIROS XTR Grip Coating



LIROS Magic Pro

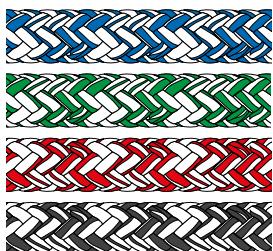
01507

LIROS Magic Pro combines all of the best characteristics with extreme low stretch. Outstanding block performance, enabling ultra-fast manoeuvres. The core is coated and specially treated with LIROS Heat-Stretch-System. The cover is made of a special Polyester grip fibre / spun-dyed Polyester mix for optimal control and perfect handling in manoeuvres.

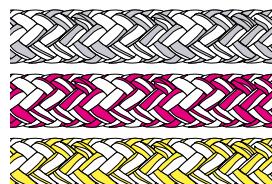
- working stretch < 1,5%
- grip factor 9 (page 8)
- precise cover construction for excellent hold in cleats and winches
- ideal for cover-stripping
- LIROS Heat-Stretch-System for lowest stretch

Ø mm	Breaking strength kg	Length of spool m
3	450	100
4	620	100
5	1250	100
6	1800	100
8	3000	100

Colours



229	White-Blue
232	White-Green
236	White-Red
239	White-Black



404	White-Silver
428	White-Pink
501	White-Neon Yellow



LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System

Cover

Polyester grip fibre / spun-dyed Polyester mix

Construction

16-plaited

Core

Dyneema® SK78 with coloured LIROS XTR Grip Coating



LIROS Magic Edge

01502

Robust and handy low-stretch performance rope for all applications to regatta and advanced dinghy sailing boats. Best abrasion resistance due to high tech and tight cover braid.

- working stretch < 1 %
- coated core
- resistant and handy construction
- low elongation
- 1,5–2 mm single-coloured
- LIROS Heat-Stretch-System

Colours



190	Black-Blue
192	Black-Yellow
194	Black-Green
198	Black-Pink



199	Black-Red
381	Black-Silver
941	Black-Neon Orange



LIROS HSS
Heat Stretch System

Cover

Spun dyed Polyester

Construction

1,5–5 mm
6 mm and up

16-plaited
1:1 plaited

Core

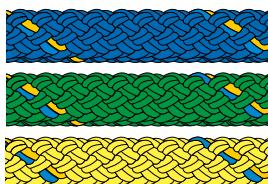
Dyneema® SK78 silver with LIROS XTR Grip Coating

**LIROS Magic Race****02016**

Extremely low stretch, compact, and abrasion resistant braid with high-strength Dyneema® core.

- *working stretch < 1,5%*
- *highly UV resistant*
- *low stretch, high grip*

Ø mm	Breaking strength kg	Length of spool m
2	270	100
2,5	390	100
3	550	100
4	800	100
5	1100	100

Colours

010
Blue
086
Green
123
Neon Yellow



171
Red
188
Black
228
White

**LIROS HSS**

Heat Stretch System

LIROS LCS

LIROS Coating System

Cover

special high-twisted Polyester

Construction

2–3 mm 16-plaited
4 mm and up 1:1 plaited

Core

Dyneema® SK78 coated

LIROS DynaSoft**02055**

LIROS DynaSoft combines the best grip, the lightest weight, and the lowest stretch. Combination braid of high-strength Polyester grip fibres and Dyneema®. Almost kink free rope, which has been achieved through thermal treatment of the rope. Ideal for dinghy sheets and regatta halyard leads.

- *working stretch < 2%*
- *heat-set*
- *high grip*
- *extremely flexible*
- *excellent handleability*
- *limited suitability on winches*
- *LIROS Heat-Stretch-System for lowest stretch*

Ø mm	Breaking strength kg	Length of spool m
7	1200	100
9	2000	100

**LIROS HSS**

Heat Stretch System

LIROS LCS

LIROS Coating System

Colours

386
Grey-Red



504
Grey-Turquoise

Material

Ideal hybrid of Dyneema® SK78 and Polyester grip fibres

Construction

8-plaited with core

NEW**LIROS Magic Flow****01510**

LIROS Magic Flow represents the perfect compromise between stiffness and flexibility. Maximum stiffness to minimize knot formation but still sufficiently supple to roll through the blocks without any problems. Ideal for use as mainsheet. Developed in collaboration with professional sailor and medal winner Philipp Buhl from German Sailing Team.

- *working stretch < 7%*
- *minimal knot formation*
- *resistant and handy construction*
- *LIROS Heat-Stretch-System*

LIROS HSS

heat-set stretch system

Colour

298

Silver-Neon Orange

Cover

Polyester

Construction

16-plaited

Core

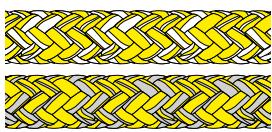
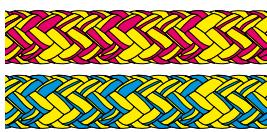
Polypropylene

**LIROS Magic Sport****01517**

Technical high-grade, universally useable line in striking Neon-Design for dinghies and small keel boats. Very abrasion resistant core in cleats, low stretch due to heat-set Polyester core.

- *working stretch < 5%*
- *very abrasion resistant*
- *high visibility*
- *low stretch*

Ø mm	Breaking strength kg	Length of spool m
2	95	100
3	185	100
4	550	100
5	850	100
6	1000	100

Colours781
Neon Yellow-White771
Neon Yellow-Silver417
Neon Yellow-Pink
773
Neon Yellow-Blue**Cover**

spun dyed Polyester

Construction

16-plaited

Core

high-strength Polyester

DINGHY

**LIROS Magic Sheet****01506**

LIROS Magic Sheet has been specially developed for use as main and jib sheets on dinghies, sports boats, and catamarans. Polyester grip fibres provide best cover-core attachment and perfect grip for optimal control in any situation.

- *working stretch < 8%*
- *great in turning blocks, fastest manoeuvres*
- *very compact non splice construction*
- *extremely low kink due to LIROS HSS*

Ø mm	Breaking strength kg	Length of spool m
7	970	100
9	1500	100

LIROS HSS

Heat Stretch System

Colours

404
White-Silver



405
White-Marine



406
White-Orange



428
White-Pink

Cover

Polyester grip fibre /
spun-dyed Polyester mix

Construction

16-plaited

Core

Polypropylene high-strength plaited

LIROS Magic Surf

The LIROS Magic Surf is specially designed for wind surfing and enables exact setting of the sail tension. 03000-0380 is suitable for all kinds of clutches. 00148-0419 enables extreme grip on sensitive clutches and at higher stress on systems with ratchet.

- *working stretch < 1%*
- *extremely low stretch*

Reference	Ø mm	Breaking strength kg	Length of spool m
03000-0380	3,8	1000	100
00148-0419	4,2	800	100

Colour

228
White



Dyneema®

Material

Dyneema® SK 78, pre-stretched

Construction

3,8 mm 16-plaited
4,2 mm 8-plaited



LIROS Spi Pro

02049-0000

Very light, high quality, individually produced tapered spinnaker sheet with Dyneema® SK78 core for extremely low stretch and high strength. Minimal water absorption.

- Individual customisation available for any boat
- tailor-made for long working life
- lowest stretch and water absorbency
- premium spun Polyester for optimal grip
- available in diameters from 3-12 mm
- length, diameter, and colour customised to your specifications
- lowest weight
- available with eye splice



Colours



021
Blue-White



179
Red-White



092
Green-White



204
Black-White

Cover

thick end – high-grip matt Polyester with Dyneema® SK78 / tapered end – 100% Dyneema® SK78

Core

braided Dyneema® SK78

Also available as
Opti-Design

6-9-6 mm in lengths of
1,5 - 2,5 - 3 m available.

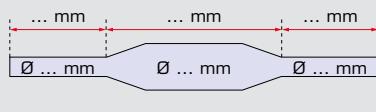
Reference: 02042-0100



542
White NF

Required order specifications:

1. Ø thick end
2. length thick end
3. Ø tapered end
4. length tapered end
5. colour



Available Ø 02049 [mm] / Breaking strength tapered end [kg]:

5 – 3 / 480	10 – 4 / 780	8 – 6 / 2000
6 – 3 / 480	8 – 5 / 950	9 – 6 / 2000
6 – 4 / 780	9 – 5 / 950	10 – 6 / 2000
8 – 4 / 780	10 – 5 / 950	12 – 6 / 2000
9 – 4 / 780	12 – 5 / 950	12 – 8 / 3000



LIROS Spi

02049

Very light and high quality spinnaker sheet with Dyneema® SK78 core for optimal grip, low stretch and high strength. Minimal water absorption.

- working stretch < 3%
- premium spun Polyester for optimal grip
- lowest stretch
- light weight



Colours



092
Green-White



542
White NF



179
Red-White

Ø mm	Breaking strength kg	Length of spool m
------	----------------------	-------------------

6 800 100

8 1000 100

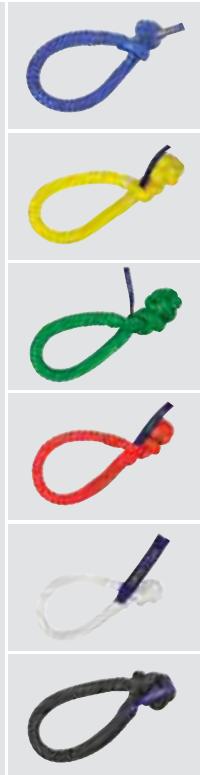
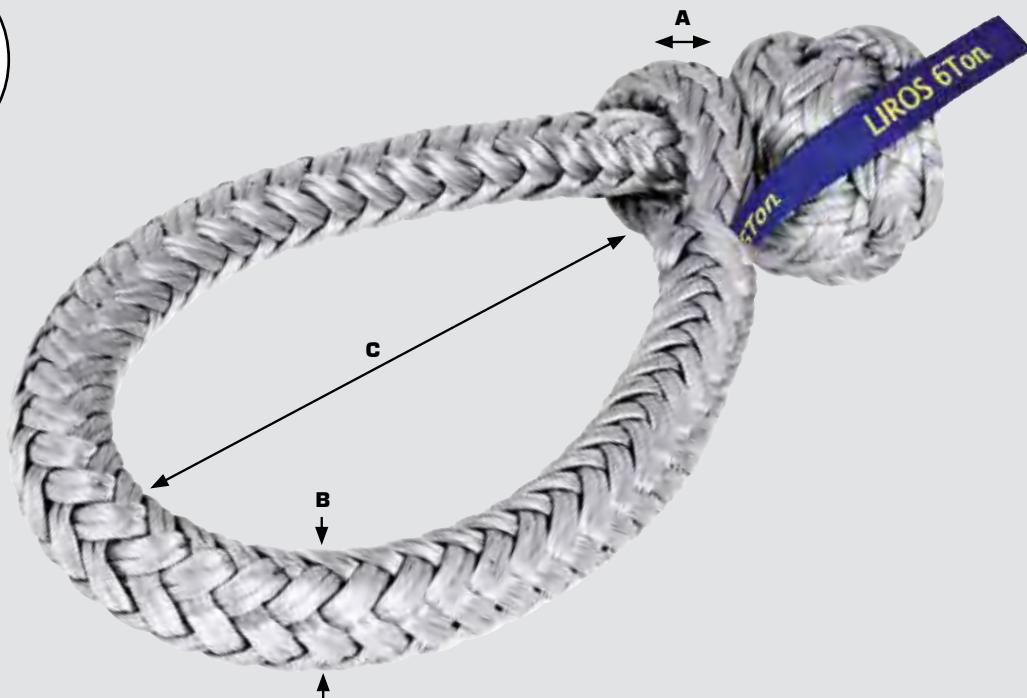
10 1900 100

Cover

high-grip matt Polyester with Dyneema® SK78

Core

Dyneema® SK78 plaited



LIROS Soft Shackle

Fastening sheets, shackle halyards, fix blocks – the LIROS XTR Soft Shackle is the solution! 100% made of high-strength fiber Dyneema® SK78, replaces heavy metal shackles on deck. Easy and fast opening, thanks to the blue „LIROS ribbon“ with breaking strength information.

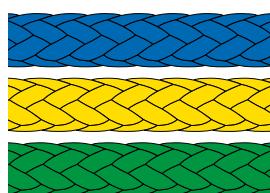
- no damages on deck or risk of injuries when operating by flapping metal parts
- suitable for many applications in sectors industry, offroad and outdoor
- 10x lighter than steel shackles at same breaking strength
- easy and intuitive handling
- self-locking construction under load
- easy to open after use with high loads
- safety factor 2:1



LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System

Colours



010

Blue

059

Yellow

086

Green

171

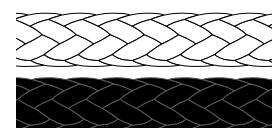
Red

205

Silver

Material

Dyneema® SK78



228

White

674

Deep Black

Reference	Colour	SWL ** t	Breaking strength t	A Material Ø mm	B Final Ø app. mm	C Inner length mm
00146-0066	228 White*	0,5	1	4	6	65
00146-0090	674 Deep Black	0,75	1,5	5	9	90
00146-0069	171 Red*	1	2	6	12	120
00146-0070	010 Blue*	2	4	8	13	135
00146-0071	059 Yellow*	3	6	9	15	150
00146-0072	086 Green	4	8	10	19	150
00146-0073	674 Deep Black	5	10	12	20	190

* All sizes also available in deep black or silver!

** SWL = Safe Work Load (50% of breaking strength)



Not certified for lifting loads and
personal security!



LIROS Taper Pro

02010

LIROS Taper Pro is the ideal line for latest generation of headsail furlers. This high-strength Dyneema® line offers a smooth transition from thick to thin for optimal handling. The thick cover provides excellent grip, while the thin end enables easy rolling, even under heavy load with small diameter furlers. Perfect as a low-stretch halyard for boats from 25–35 feet.

- working stretch < 1,5%
- optimum grip on winches
- easy reefing, safe manoeuvres
- perfect solution for tapered halyards

Colours

	239 White-Black
	403 Silver-Steelblue
	423 Silver-Red
	424 Silver-Green

Cover high-tenacity Polyester

Construction 1:1 plaited

Core Dyneema® SK78 with additional cover plaiting

Reference	Ø mm	Breaking strength kg	Length with tapering m
02010-0900	9–6	2300	from 9 mm (20m) to 6 mm (10m) / 30m
02010-1100	11–8	3200	from 11 mm (20m) to 8 mm (15m) / 35m



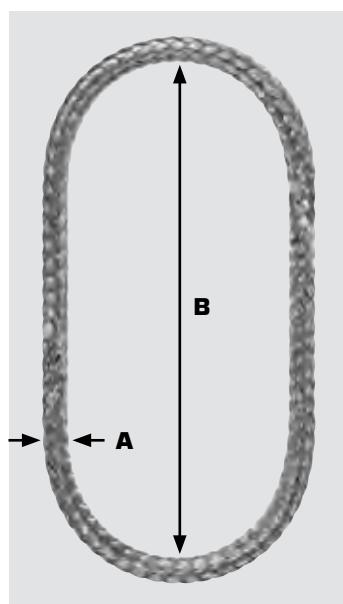
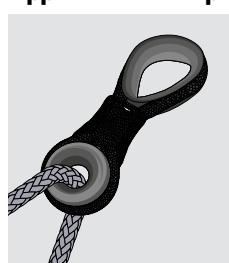
LIROS D-Loop

Textile slings made of high strength Dyneema® SK99 provides various options for transferring loads. Maximum weight savings. Replaces heavy steel fittings. Ideal combination with low-friction rings, blocks and shackles. LIROS D-loops can be used in three variants: single, double and looped.

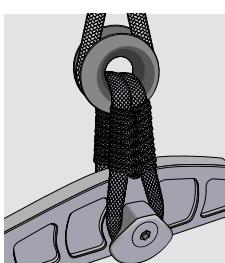
- working stretch < 2%
- maximum breakload at lowest weight
- round and safe
- LIROS Heat-Stretch-System

Colour

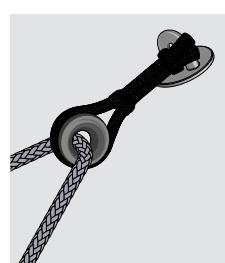
205
Silver

**Application examples**

single



double



looped



Dyneema®

LIROS HSS

Heat Stretch System

LIROS LCS

LCS Coating System

Material

Dyneema® SK99

Construction

16-plaited, coated

Reference	A Material Ø mm	B Stretched length mm	SWL* single t	SWL* double t	SWL* looped t
00146-0230	4	100	0,6	1,2	0,48
00146-0231	7	100	1,1	2,2	0,88
00146-0232	8	130	1,6	3,2	1,28
00146-0234	10	170	2,5	5	2
00146-0235	10	200	2,5	5	2

* SWL = Safe Work Load (50% of breaking strength)



Not certified for lifting loads and personal security!

**LIROS AntiTorsion EVO****11442**

Proven, ideal replacement for cable forestays.

- *working stretch < 1 %*
- *stiff, reinforced with braided monofilament inner cover*
- *high-strength Aramid core for extremely low-stretch and high breaking load*
- *non-splicing*
- *available in custom lengths*

Ø mm	real Ø mm	Breaking strength kg
6	7,1	1300
8	9,6	3300
10,5	10,5	4000
11	11,3	4100
13	13,2	5000
16,5	16,0	8500

Colour188
Black**Twaron®**

The power of Aramid

LIROS LCS

LIROS Coating System

Cover

Polyester

Construction

16-plaited

Core

Aramid with braided monofilament

LIROS Leech Line**01046**

Compact, braided, shape-retaining leach line for sailmakers.

- *round*
- *compact*
- *minimal shrinkage*

Colour228
White**LIROS**
GREEN WAVE

Ø mm	Length of spool m
4	250
4,5	250
5	250
5,5	250
6	200
7	200
8	200

Cover

low-shrink Polyester

Construction4 – 4,5 mm 16-plaited
5 mm and up 12:1:1 plaited**Core**

Polyester

LIROS Lazy Jack**01532**

New compact construction made of special high twisted Polyester. The very smooth and abrasion resistant surface protects the sail when dropping. The wide hollow braid is very easy to splice. Specially designed for use as Lazy Jack line.

- *round and lightweight*
- *extremely UV-resistant and abrasion resistant*

Ø mm	Breaking strength kg	Length of spool m
4	500	250
6	1100	200
8	2200	200

Colour529
Silver NF**Material**

special high twisted Polyester spun dyed

Construction

12-plaited without core

LIROS
GREEN WAVE



LIROS LSP Furler Line

Specially designed Furler Line with cover-core construction for use in all common furling systems. Abrasion resistant and UV-stable due to high quality Polyester cover. To manufacture endless spliced furling lines use LIROS 00154 Herkules or LIROS 00152 Top-Cruising.

- *working stretch < 5 %*
- *high resistance to bending*
- *abrasion resistant and UV-stable*

Reference	Ø mm	Length m	Breaking strength kg
01546-0801	8	20	1700
01546-0802	8	25	1700
01546-1001	10	25	2700
01546-1002	10	28	2700
01546-1201	12	40	3200



Colour



239
White-Black

Cover

Polyester

Construction

8mm 20-plaited
10–12 mm 24-plaited

Core

Polyester



LIROS Webbing Dyneema®

00186

Premium webbing, low-stretch and high breaking strength.

Ø mm	Breaking strength kg	Length of spool m
25	1800	50

- *lowest stretch*
- *very abrasion resistant*
- *no water absorption*
- *extremely UV resistant*



Colour



228
White

Material
Dyneema® SK78

**LIROS Bolt Rope****00124**

Premium sailmaker's bolt rope. 3-strand, high-strength, low-shrink Polyester in white with black marker.

- *round*
- *compact*
- *minimal shrinkage*

Colour228
White**Material**

low-shrinkage Polyester

Construction

3-strand

NEW**LIROS Deckline****03002**

Very strong and light safety line, made from 100% dyneema.
Suitable for manufacturing systems in accordance with ISO 12401.

- *working stretch < 1.5%*
- *maximum strength with very low weight*
- *ideal as a replacement for railing wire or as a lifeline*
- *LIROS Heat-Stretch-System*

Colour205
Silver**Cover**

HMPE with reflective fleck

Construction

24-plaited

Core

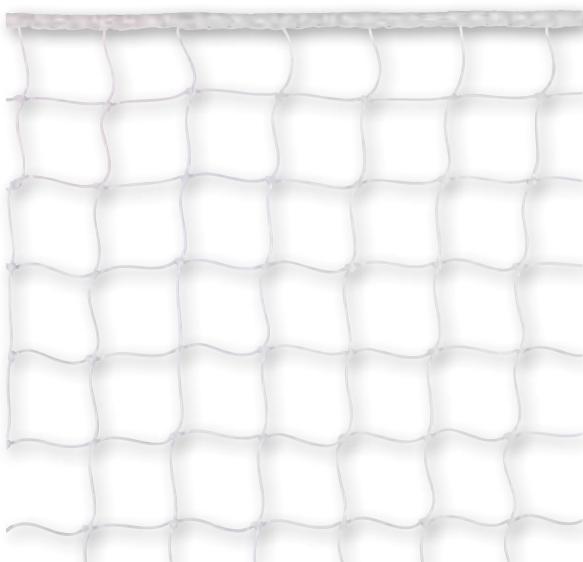
Dyneema, heat set and coated



Dyneema®

LIROS HSS

Heat Stretch System

**LIROS Safety Netting****02040-0001-228**

Premium knotted safety netting of 2 mm white, braided Polyester with reinforced edging.

- *mesh openings approx. 45 mm*
- *netting width 60cm*
- *50m lengths*

*Detail view*



SHOCK CORD

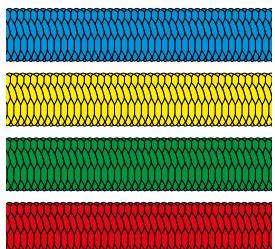
LIROS Shock Cord

00190

Our high-elasticity shock cord with the best in stretch characteristics. Braided out of abrasion resistant Polyester in solid colour or white with blue-gold mark yarn.

- *round, abrasion-resistant construction*
- *also available in industrial bulk quantities*
- *Made in Germany*

Ø mm	Breaking strength cover kg	Length of spool m
3	40	100
4	100	100
5	100	100
6	180	100
7	300	100
8	350	100
10	350	100
12	410	100
14	480	100

Colours

010

Blue

059

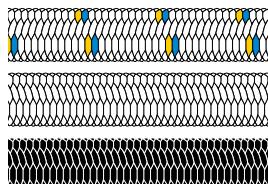
Yellow

086

Green

171

Red



228

White

542

White NF

188

Black

Cover

Polyester

Construction

3–8 mm	16-plaited
10–14 mm	24-plaited

Core

premium Latex



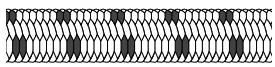
LIROS Stretch XTR

00199

High quality shock cord with extremely abrasion resistant 100% Dyneema® jacket. Intelligent cover construction design with maximum breakload.

- *highest abrasion resistance*
- *very lightweight*
- *low water absorption*
- *UV-resistant*

Ø mm	Breaking strength cover kg	Length of spool m
3	150	100
4	290	100
5	300	100
6	320	100

Colour

239

White-Black

**Cover**

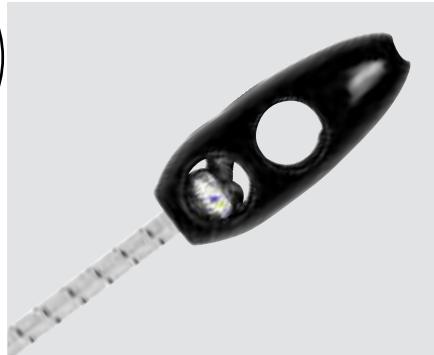
Dyneema®

Construction

16-plaited

Core

high quality Latex rubber



LIROS Quick Clip + Shock Cord

Universal, all-purpose attachment for shock cord. 5 pieces in PE bag.

Reference	Ø mm	Length cm	Reference	Ø mm	Length cm
01905-4050	4	50	01907-8100	7	100
01905-4070	4	70	01907-8140	7	140



LIROS Quick Clip

Useful tightener for shock cords 5 pieces in PE bag or individually available.

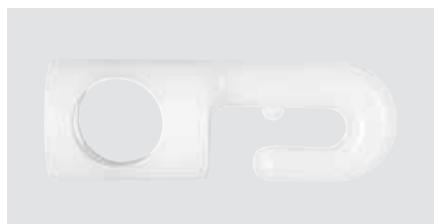
01905-0000	single	01905-0001	5 pieces in PE-bag
01907-0000	single	01907-0001	5 pieces in PE-bag



LIROS Elastic Straps

Our premium braided Polyester shock cord with nylon hook. 5 pieces in PE bag or available individually. High quality stretch latex core for long-lasting elasticity. Perfect for hanging advertising flags or banners. Abrasion and UV-resistant. Made in Germany.

Reference	Ø mm	Length cm	Reference	Ø mm	Length cm
01901-0415	4	15	01901-0455	4	55
01901-0435	4	35	01901-0475	4	75



LIROS Nylon Hook

For 4 mm diameter shock cord.

01294-0400-228	10 pieces in PE-bag
01294-0000-228	single



LIROS Nylon-Carabine Hook

Reference	Ø mm	For LIROS Shock Cord Ø 4–8 mm 5 pieces in PE bag.
01194-0400-228	4	
01196-0600-228	6	
01198-0800-228	8	



LIROS Sail Ties

00187-2525

Practical sail ties keep your sails safe.
Premium end loop stitching for easy tying.

- pack of 5
- length: 2m



LIROS D-Pro

01505

LIROS Heat-Stretch-System guarantees optimal breaking loads and stretch characteristics of this line. Excellent chafing resistance, light weight, and easy spliceability make this line irreplaceable in all sorts of applications.

- very strong and abrasion resistant
- UV resistant and spliceable

Reference	Ø mm	Breaking strength kg	Number of spools / length
01505-0002	2	410	10 x 30m
01505-0003	3	950	10 x 15m
01505-0004	4	1300	5 x 10m

Material

pre-stretched, coated Dyneema® SK78

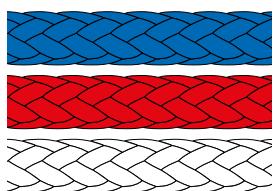
Construction

12-plaited

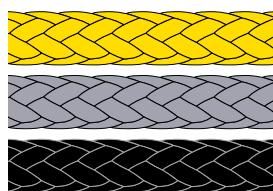
Colours



054 Selection



010 Blue
171 Red
228 White



059 Yellow
205 Silver
674 Deep Black



LIROS HSS
Heat Stretch System
LIROS LCS
Linen Coating System

LIROS Magic Speed

01501

Braided Polyester cord point-of-sale box with assorted colours.

- all-purpose line
- round braiding
- very robust



Reference	Ø mm	Breaking strength kg	Number of spools / length
01501-0002	2	95	10 x 30m
01501-0003	3	185	10 x 15m

Material

Polyester

Construction

16-plaited with core

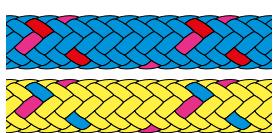
Core

Polyester

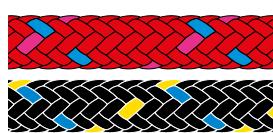
Colours



054 Selection



479 Blue-Pink-Red
414 Neon Yellow-Pink-Blue



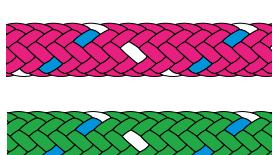
412 Red-Pink-Blue
408 Black-Neon Yellow-Blue

NEW

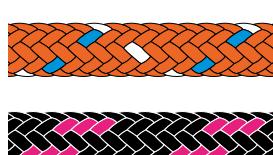


148 Selection

Neon



156 Neon Pink-Blue-White
152 Neon Green-Blue-White



154 Neon Orange-Blue-White
198 Black-Pink



LIROS Magic Sport

01517

Technical high-grade, universally useable line in striking Neon-Design for dinghies and small keel boats. Very abrasion resistant core in cleats, low stretch due to heat-set Polyester core.

- *working stretch < 5%*
- *high visibility colours*
- *very resistant*
- *low stretch*

Reference	Ø mm	Breaking strength kg	Number of spools / length
01517-0002	2	85	10 x 30m
01517-0003	3	195	10 x 15m

Colours



054 Selection



417 Neon
Yellow-Pink



773 Neon
Yellow-Blue



771 Neon
Yellow-Silver



781 Neon
Yellow-White

Cover

spun dyed Polyester

Construction

16-plaited with core

Core

Polyester



LIROS Braided Polyester Line

Braided high-strength Polyester.

01040

- *will not stiffen up*
- *flexible*
- *very UV resistant*

Reference	Ø mm	Breaking strength kg	Number of spools / length
01040-0002	2	100	10 x 30m
01040-0003	3	200	10 x 15m
01040-0004	4	330	5 x 10m

Material

high-strength Polyester

Construction

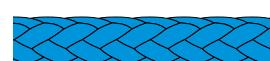
8-plaited



Colours



054 Selection



010
Blue



086
Green



059
Yellow



171
Red



188
Black



228
White



LIROS Trim Line neon

01522



Popular braided Polyester cord point-of-sale box with assorted colours.

- *all-purpose line*
- *great self-service item*
- *round braiding*

LIROS
GREEN WAVE

Reference	Ø mm	Breaking strength kg	Number of spools / length
01522-0163-054	3	200	10 x 20m

Material coloured Polyester
Construction 16-plaited with core



LIROS Classic

01172

Design like traditional hemp rope, but softer, stronger and more weather resistant at constant quality.

- *high-grip*
- *pliable*
- *weather resistant*

LIROS
GREEN WAVE

Ø mm	Number of spools / length
3	10 x 10m

Material
spun polyester yarn
Construction
3-strand

Colour
 546
Hemp NF



LIROS Optisail

02056

Low-stretch Opti lanyards for longlasting use and great knot holding.

- *working stretch < 1,5%*
- *best knot holding*
- *extremely, strong and pliable*


Dyneema®

Ø mm	Number of spools / length
1,2	20 x 20m

Cover
Polyester
Construction
16-plaited with core
Core
Dyneema® SK78

Colour
 199
Black-Red

See our premium metal display rack for best presentation on Point-of-Sale (page 91)!



LIROS Whipping Twine / Sewing Thread

Reference	Ø mm	Number of spools / length	Construction	Treatment	Colour
00001	1,0	5 x 30m	plaited	unwaxed	292 White assorted
	1,5	5 x 20m	plaited	unwaxed	292 White assorted
	1,5	5 x 20m	plaited	heavy waxed	292 White assorted
	1,2	5 x 30m	twisted	waxed	292 White assorted
00006	0,5	20 x 80m	twisted	waxed	072 White
00007	1,2	20 x 30m	twisted	waxed	072 White
00008	1,5	20 x 20m	plaited	heavy waxed	072 White
00011	1,0	20 x 30m	plaited	heavy waxed	072 White
00012	1,5	20 x 20m	plaited	unwaxed	054 assorted colours*
00013	1,5	20 x 20m	plaited	heavy waxed	293 assorted colours*
Sewing Thread 00099-0400	0,3	10 x 140m	Polyester		228 White

All whipping twine also available in bulk 500m spools.

*assorted colours: Black, Blue, Green, Red, Yellow

LIROS Dyneema® Waxed Whipping Twine

00016	0,5	20x60m	braided	waxed	529 Silver
00017	1,2	20x30m	braided	waxed	529 Silver



LIROS Whipping twine set

01042-0122

LIROS waxed whipping twine in 1,2mm and a LIROS 00143-4001 micro splicing needle.

- waxed whipping twine white
- micro splicing needle

Ø mm	Length of spool
1,2	100m

Material
Polyester

Construction
twisted

See our premium metal display rack for best presentation on Point-of-Sale (page 91)!

NEW

LIROS TCR

LIROS TCR – the new innovative paragliding line! The revolutionary and longlasting LIROS coating ensures extremely improved colour fastness. Lowest water absorption guaranteed, without using PFAS. Excellent round braided construction delivers best aerodynamic drag for optimised glider performance. Easy to splice.

- extremely longlasting LIROS coating
- equipped for the future without PFAS
- lowest elongation and high breakloads
- round aerodynamic shape
- LIROS-Heat-Stretch-System

Reference	app. Ø mm	Breaking strength kg	Length of spool* m
TCR00-0050	0,45	50	1000
TCR00-0070	0,69	70	1000
TCR00-0090	0,71	90	1000
TCR00-0135	0,85	135	1000
TCR00-0190	1,1	190	1000
TCR00-0230	1,25	230	1000
TCR00-0340	1,5	340	1000



* LIROS Flightsport lines may come six pieces to a spool.
No line will be shorter than 25m.

Not all colours available in all diameters.

Colours



010
Blue
086
Green



150
Orange
171
Red

Technora®



Material

100% Technora®

Construction

12-plaited

LIROS TSL

LIROS TSL is the covered Technora® paragliding line with the best diameter to load capacity ratio. Optimised cross-section for excellent aerodynamics. High-strength Technora® fibres and LIROS Heat-Stretch-System to minimise stretch and creep. Finely braided, water-repellent Polyester cover provides easy line differentiation.

- optimal diameter to load capacity ratio
- lowest creep, lowest stretch
- optimum bendability
- LIROS Heat-Stretch-System

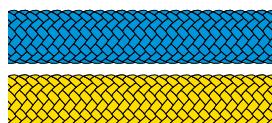
Reference	app. Ø mm	Breaking strength kg	Length of spool* m
TSL00-0115	1,25	115	1000
TSL00-0140	1,30	140	1000
TSL00-0190	1,55	190	1000
TSL00-0220	1,65	220	1000
TSL00-0280	1,80	280	1000
TSL00-0380	2,20	380	1000
TSL00-0500	2,37	500	500



* LIROS Flightsport lines may come six pieces to a spool.
No line will be shorter than 25m.

Not all colours available in all diameters.

Colours



010
Blue
059
Yellow



086
Green
150
Orange

171
Red

Technora®



Cover

Polyester

Core

Technora®

FLIGHTSPORT / PARAGLIDING



LIROS PPSL

LIROS PPSL is lightweight, with minimal creep, as well as unmatched durability, even after extreme bending. The kite line for the most demanding applications. Shrinkage < 0,5%.

- *very low creep*
- *lowest stretch*
- *top paragliding performance*
- *optimal dimensional stability*
- *extremely durable*
- *LIROS Heat-Stretch-System*

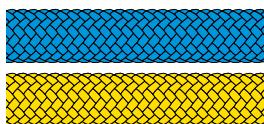
Reference	app. Ø mm	Breaking strength kg	Length of spool* m
PPSLO-0120	1,15	120	1000
PPSLO-0160	1,40	160	1000
PPSLO-0191	1,20	190	1000
PPSLO-0200	1,42	200	1000
PPSLO-0275	1,90	275	1000
PPSLO-0350	2,25	350	500



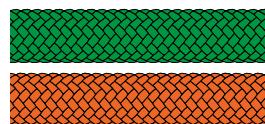
* LIROS Flightsport lines may come six pieces to a spool. No line will be shorter than 25m.

Not all colours available in all diameters.

Colours



010
Blue
059
Yellow



086
Green
150
Orange



171
Red

Cover

Polyester 16-plaited

Core

pre-stretched Dyneema®



LIROS HSS

HeatStretch System

LIROS DSL

High-tech Dyneema® core, combined with our superior Polyester braided cover, guarantees a long-lasting, high-altitude line. Perfectly balanced Polyester cover offers the best in line accessibility and protects the core from dirt and UV exposure.

- *very low creep*
- *lowest stretch*
- *good line differentiation*
- *optimum durability*
- *LIROS Heat-Stretch-System*

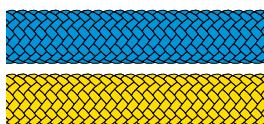
Reference	app. Ø mm	Breaking strength kg	Length of spool* m
DSL00-0025 Black	0,80	25	1000
DSL00-0035 White	0,90	35	1000
DSL00-0070	0,95	70	1000
DSL00-0140	1,25	140	1000
DSL00-0350	2,00	350	1000
DSL00-0600	2,40	600	500



* LIROS Flightsport lines may come six pieces to a spool. No line will be shorter than 25m.

Not all colours available in all diameters.

Colours



010
Blue
059
Yellow



086
Green
150
Orange



157
Pink
171
Red

Cover

Polyester 32-plaited

Core

pre-stretched Dyneema®



LIROS HSS

HeatStretch System



LIROS DC Pro

High-performance, 100% Dyneema® SK99 kiteline. Unmatched ratio between diameter and breaking strength. LIROS DC is perfect for use as flying or bridle line. Extremely low drag values and maximum performance for the kiter. Excellent dimensional stability even after highest stress. Delivers best in kite performance and durable precise control of the sporting equipment.

- *easy to splice*
- *unmatched precision in kite control*
- *excellent dimensional stability*
- *LIROS Heat-Stretch-System*

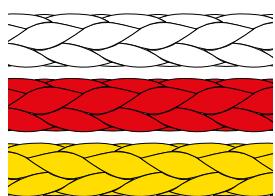
Reference	app. Ø mm	Breaking strength kg	Length of spool* m
DC 000-0161	0,83	170	1000
DC 000-0201	1,10	230	1000
DC 000-0301	1,30	325	1000
DC 000-0401	1,55	490	1000
DC 000-0701	2,00	730	1000



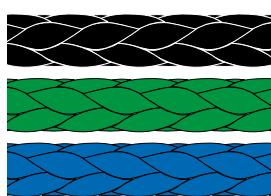
* LIROS Flightsport lines may come six pieces to a spool. No line will be shorter than 25m.

Not all colours available in all diameters.

Colours



228
White
594
Red
595
Yellow



596
Black
616
Green
636
Blue



Material pre-stretched, coated Dyneema® SK99

Construction 12-plaited

Please find Polyester cover to strengthen splices on page 54.

LIROS DC

High-end, 100% Dyneema® SK75 kiteline. LIROS DC is perfect for use as flying or bridle line. Highest load capacity with minimal line diameter delivers the best in kite performance. Extreme stretch resistance, even after heavy loads, for precise control of the kite. LIROS DC – Kiting without compromise!

- *easy to splice*
- *unmatched precision in kite control*
- *excellent dimensional stability*
- *LIROS Heat-Stretch-System*

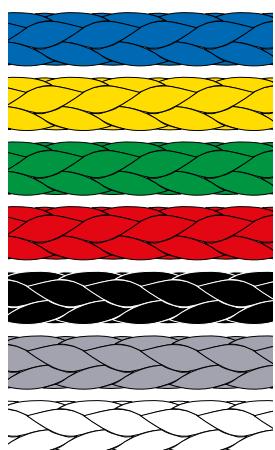
Reference	app. Ø mm	Breaking strength kg	Length of spool* m
DC 000-0035**	0,38	35	1000
DC 000-0040	0,50	40	1000
DC 000-0060	0,60	60	1000
DC 000-0100	0,80	100	1000
DC 000-0120	0,85	120	1000
DC 000-0160	1,10	160	1000
DC 000-0200	1,60	200	1000
DC 000-0300	1,80	300	1000
DC 000-0500	2,05	500	1000



* LIROS Flightsport lines may come six pieces to a spool. No line will be shorter than 25m.

Not all colours available in all diameters.

Colours



010
Blue
059
Yellow
086
Green
171
Red
188
Black
205
Silver
228
White



Material pre-stretched, coated Dyneema® SK 75

Construction 12- and 16-plaited

Please find Polyester cover to strengthen splices on page 54.



LIROS PC

Very long-lived and abrasion resistant cover for LIROS flying lines. A flexible braid made of high quality polyester protects the flying line and guarantees best connection properties.

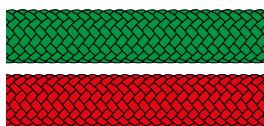
- *long-lived*
- *UV-resistant*
- *cover material without core*

Reference	suitable for	Length of spool* m
PC000-0060	DC60, DC100	100
PC000-0120	DC120, DC160, DC161, DC201	100
PC000-0200	DC200, DC301	100
PC000-0300	DC300, DC401, DC701	100



* LIROS Flightsport lines may come six pieces to a spool. No line will be shorter than 25m.

Colours



086
Green
171
Red



188
Black

Material hollow-braided Polyester

LIROS Bridle Line

LIROS Bridle Line is the reliable and durable bridle line with minimal stretch characteristics. The very abrasion-resistant and compact braided Polyester cover makes this rope glide perfectly through pulleys and has direct influence on kite control.

- *low elongation*
- *high abrasion resistance*
- *compact*
- *safe*

Reference	app. Ø mm	Breaking strength kg	Length of spool* m
22138-0200	2,0	300	1000
22138-0330	3,3	500	500



* LIROS Flightsport lines may come six pieces to a spool. No line will be shorter than 25m.

Colour



188
Black



LIROS HSS

Heat Stretch System

LIROS LCS

LINOS Coating System

Cover high-strength Polyester

Construction 12-plaited

Core Dyneema® plaited



LIROS DePower Lines

Specially designed Depower line made of 100% Dyneema®. For long-life cycle in modern kitebar constructions. Technically versed coatings deliver up to 30% more resistance against abrasion, than in common depower lines.

- *highest safety and perfect abrasion resistance for the kiter*
- *spliceable*
- *very good abrasion resistance*
- *high breaking load*
- *low elongation*
- *LIROS Heat Stretch System*

Reference	app. Ø mm	Breaking strength kg	Length of spool m
DPLPO-1300	4,0	1300	100/500
DPLPO-1750	4,5	1750	100/500
DPLPO-2600	5,0	2600	100/500
DPL00-1550	4,4	1550	500
DPL00-1700	5,2	1700	500
DPL00-1800	5,6	1800	500



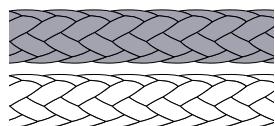
LIROS HSS

Heat Stretch System

LIROS LCS

LRCB Coating System

Colours



716
Silver
521
White



735
Deep Black

Material

Dyneema®

Construction

plaited, heat set and coated

LIROS PPSLS

Thin + Safe + Longlasting. Unique breakload at thinnest diameter guarantees highest performance for the paraglider. Minimum elongation for ideal glider setup. The paragliding line for high demands.

- *extremely light and thin*
- *highest breakloads*
- *best paragliding performance*
- *perfect aging properties*
- *LIROS Heat-Stretch-System*

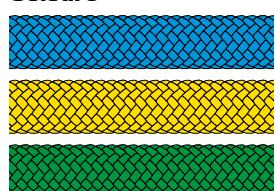
Reference	app. Ø mm	Breaking strength kg	Length of spool* m
PPSLS-0065	0,76	65	1000
PPSLS-0125	1,05	130	1000
PPSLS-0160	1,15	160	1000
PPSLS-0180	1,25	180	1000
PPSLS-0200	1,3	200	1000
PPSLS-0260	1,58	260	1000



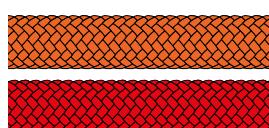
* LIROS Flightsport lines may come six pieces to a spool. No line will be shorter than 25m.

Not all colours available in all diameters.

Colours



010
Blue
059
Yellow
086
Green



150
Orange
171
Red



Dyneema®

LIROS HSS

Heat Stretch System

Cover

Polyester

Core

pre-stretched Dyneema®



LIROS DFL

LIROS DFL offers a high degree of flexibility. Very good knot holding and UV resistance, excellent for brake lines. LIROS DFL handles high dynamic load ranges easily, especially in deflection through turning blocks.

- *good knot hold*
- *extremely abrasion resistant*
- *lightweight*
- *highly flexible*

Reference	app. Ø mm	Breaking strength kg	Length of spool* m
DFL00-0115	1,40	115	1000
DFL50-0200	1,90	200	500
DFLPO-0232	2,70	200	500
DFL00-0350	2,70	350	500



* LIROS Flightsport lines may come six pieces to a spool. No line will be shorter than 25m.

DFL50 only available in 059 Yellow and 150 Orange.

Colours



059
Yellow



150
Orange



171
Red

Cover

Polyester 16-plaited, DFLPO-0232 32-plaited

Core

Dyneema®



LIROS Safety Line

LIROS Safety Line was specially engineered for safety equipment applications, and is optimised for stretch and shock loading compensation. Developed to deliver the ultimate in safety.

RLP

- *working stretch < 25%*
- *excellent damping capabilities*
- *good spliceability*
- *Material: Polyamide*

RLD

- *working stretch < 7%*
- *good spliceability*
- *high weight reduction*
- *Material: Dyneema®*

Reference	app. Ø mm	Breaking strength kg	Length of spool* m
RLD00-0190	1,3	190	500
RLD00-0275	1,35	275	1000
RLD00-0350	1,7	350	1000
RLP00-0110	4	110	1000
RLP00-0150	4,5	150	1000



* LIROS Flightsport lines may come six pieces to a spool. No line will be shorter than 25m.



Dyneema®

Colour



228
White



LIROS SL

Very long lasting and lightweight towing line for paragliding and winch towing. LIROS SL delivers a high level of safety. The SL500 is especially well-suited for tandem towing. The extremely thin diameter increases capacity on winch drums.

- *easy to splice*
- *low diameter increases winch capacity*
- *no water absorption*
- *very good UV resistance*

Reference	app. Ø mm	Breaking strength kg	Length of spool m
SL000-0375	2,5	375	1000
SL000-0500	3,2	500	1000

Colour
 228
 White



Material Dyneema®

Construction

SL375 12-plaited / SL500 8-plaited

LIROS Harness

Extremely flat hollow braided rope. LIROS Harness is qualified to replace common webbings in paragliding harness. Made of 100% Dyneema® for less weight and very good flexibility endurance and resistant to fatigue.

- *lightweight*
- *high breakloads*
- *LIROS Heat-Stretch-System*

Reference	app. Ø mm	Breaking strength kg	Length of spool m
CRS00-0500-228	5	500	500
CR000-1000-228	6	1000	500
CR000-1800-228	9	1800	500

Colour
 228
 White



Material 100% Dyneema®

Construction 32-plaited



LIROS T-Webbing

00185-1301

Technora® webbing with Polyester cover. A LIROS development for use in paragliding ultra light harnesses. Longlasting high tech quality.

app. width mm	Breaking strength kg	Length of spool m
13	850	100

Colour

188
 Black

Material Technora® / Polyester

Construction webbing

Technora®

The power of Aramid®

**LIROS V-Plus-XTR****04007**

V-Plus-XTR is made of 100% Vectran® with high tech XTR Coating. Perfect as a wire replacement or alternative to hard shackles. An ideal line for applications that require constant length, lowest stretch without creep, also under load. Vectran® delivers extreme precision. Perfect as bolt rope for high performance sails.

- *working stretch < 1 %*
- *grip factor 7*
- *no creep*
- *XTReme low initial elongation*
- *high-tech XTR coating*
- *easy to splice*
- *heat resistant*

Vectran™**LIROS LCS**

LCS Coating System

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
2	400	3	100
3	1100	7	100
4	1500	10	100
5	3000	22	100
6	5000	32	100
8	6800	48	100

Material 100% Vectran® with LCS Coating**Construction** 12-plaited**Colour**188
Black**LIROS D-Pro****01505**

LIROS Heat-Stretch-System for guaranteed optimum breaking load and lowest stretch. Top abrasion resistance, low weight, and easy spliceability make this line irreplaceable in numerous show-rigging applications. Perfect as a replacement for steel cables.

- *working stretch < 1 %*
- *mat black surface, not marking off*
- *non-reflective*
- *very high working load with minimum diameter and lightweight*
- *first choice for all extreme load applications*
- *best spliceability*
- *high UV stability and abrasion resistance*
- *LIROS Heat-Stretch-System*

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
2	410	1,8	100
2,5	580	3,5	100
3	950	4,6	100
4	1300	7	100
5	2600	13	100
6	4300	23	100
8	5300	35	100
9	7500	49	100
10	9000	60	100
12	11900	72	100
14	14500	95	100
16	19000	131	100

Dyneema®**LIROS HSS**

Heat Stretch System

LIROS LCS

LCS Coating System

Material Dyneema® SK78 coated**Construction** pre-stretched, coated, 12-plaited**Colour**674
Deep Black

Not certified for lifting loads and personal security!

**LIROS Multi Black****01037**

High-strength black braided Polyester. High-grip surface. Multi-purpose line.

- *working stretch < 10%*
- *will not stiffen up*
- *very UV resistant*
- *flexible*
- *abrasion resistant*

Colour

525
Black NF



Ø mm	Breaking strength kg	Length of spool m
1	45	100
2	100	100
3	200	100
4	330	100
5	500	250
6	750	200
8	1150	200
10	2000	200
12	2900	200
14	3900	150
16	4200	100

Material

high-tenacity Polyester

Construction

up to 8mm
10mm and up

16-plaited with core
20-plaited with core

Core

high-tenacity Polyester

LIROS Soft Black**00174**

Premium quality, high-grip Polyester line with flexible, soft-grip cover. Matt black cover is completely invisible in dark environments.

- *working stretch < 6%*
- *soft easy-to-handle premium spun braid*
- *excellent knot hold*

Colour

525
Black NF



Ø mm	Breaking strength kg	Length of spool m
5	300	250
6	520	200
8	1000	200
10	1900	200
12	2400	200
14	2900	150
16	3400	100

Cover

Polyester

Construction

Ø 5 mm
Ø 6 – 8 mm
Ø 10 – 12 mm
Ø 14 mm and up

8-plaited
16-plaited
20-plaited
24-plaited

Core

high-tenacity Polyester

**LIROS Safe Nordic Plus****01019-0000**

Core-cover rope, manufactured to **DIN EN 1891** for personal security. Specially designed with extremely low stretch for SRT (Stationary Rope Technique), or as efficient and power saving abseiling rope. Robust and resistant, very good grip and smooth handling. With optimized cover structure for optimal fulfilling the requirements of single-rope technique.

- *very low stretch*
- *grippy and flexible*
- *robust and resistant*
- *available pre-spliced with sewn eye on both ends*

Cover

high-tenacity Polyamide

Construction

16-1:1 plaited

Core

high-tenacity Polyamide



Ø mm	Breaking strength kg	Elongation % at 100kg	Weight g/m	Cover ratio %	Length m
---------	-------------------------	--------------------------	---------------	------------------	-------------

9,6	2900	3,8	62	60	as required
-----	------	-----	----	----	-------------

Colour

790
White 2F Black

**LIROS Safe Nordic****01015-0000**

Semi-static rope manufactured to **DIN EN 1891** standards. Developed by LIROS for specialised industrial applications with double-braided construction and LIROS Heat-Stretch-System for minimal core-cover movement.

- *low yo-yo effect when up- and abseiling*
- *very good handling*
- *non-kinking and easy stowing*
- *available with both ends sewn eye*

Cover

high-tenacity Polyamide

Construction

32-plaited

Core

high-tenacity Polyamide



Ø mm	Breaking strength kg	Elongation % at 100kg	Weight g/m	Cover ratio %	Length m
---------	-------------------------	--------------------------	---------------	------------------	-------------

11,5	3400	3,8	80	46	as required
------	------	-----	----	----	-------------

Colour

701
Black 2F Red





LIROS Safe Classic

The LIROS semi-static rope is a strong and durable rope for life safety/rescue applications, or rope access/scaffolding. The unique abrasion-resistant braided cover protects the core from external weather conditions and dirt. Manufactured according **DIN EN 1891**.

- long-lasting construction
- highly abrasion resistant
- exceptional knot hold
- extremely low cover-core movement
- available with both ends sewn eye

Cover

high-tenacity Polyamide

Construction

16-plaited

Core

special multi-braided Polyamide



Reference	Ø mm	Breaking strength kg	Elongation % at 100kg	Weight g/m	Cover ratio %	Length m
00099-1116	10,5	3400	4,1	70	42	as required
00099-2369	11	3550	4,0	74	40	as required

Colours

382
White-Blue-Black



525
Black NF



LIROS Safe Pro

01011

Semi-static rope manufactured to **DIN EN 1891** standards. Developed by LIROS for specialised industrial applications with double-braided construction and LIROS Heat-Stretch System for minimal core-cover movement.

- available with both ends sewn eye
- soft and flexible rope
- perfect and easy handling
- LIROS Heat-Stretch-System

Cover

high-tenacity Polyamide

Construction

32-plaited

Core

high-tenacity Polyamide



Reference	Ø mm	Breaking strength kg	Elongation % at 100kg	Weight g/m	Cover ratio %	Length m
01011-1000	10	2600	4,4	58	43	as required
01011-1100	11	2850	4,2	71	53	as required
01011-1200	12	3900	4,0	82	45	as required
01011-1400	14	4550	3,4	102	46	as required

Colour

230
White-Blue-Yellow





LIROS Safe Vision

01595 / 01596

New LIROS safety rope according to **DIN EN 1891**. Specially developed as a working line for the arborist. LIROS Safe Vision is especially smooth and flexible, so arborists can work and move quickly and safely. High strength Polyester cover is extremely abrasion resistant. Low diameter for very lightweight.

- optimum handling
- highly abrasion resistant
- exceptional knot hold
- extremely low cover-core movement

**Cover**

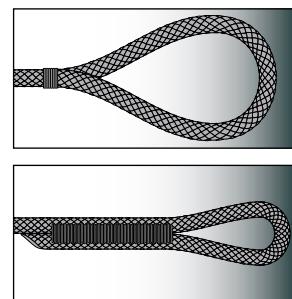
high twisted Polyester

Construction

24-plaited

Core

plaited Polyamide

**Colour**

014

Blue-Yellow-White

Reference	Ø mm	Elongation % at 100kg	Breaking strength DIN kg	Breaking strength eff. kg	Weight g/m	Cover ratio %	Length m
01595-0000	11,8	2,5	2200	3700	82	54	as required / without end connection
01595-1000	11,8	2,5	1500	2900	82	54	as required / incl. seam
01595-3000	11,8	2,5	1500	2400	82	54	as required / incl. splice
01596-0000	12,8	2,2	2200	4500	102	51	as required / without end connection
01596-1000	12,8	2,2	1500	3300	102	51	as required / incl. seam
01596-3000	12,8	2,2	1500	3000	102	51	as required / incl. splice



LIROS Safe Plus

01597-0000

The LIROS Safe Plus is a specially designed double braid manufactured and certified to **DIN EN 1891** Type A. Developed for „Single Rope Technique“ (SRT). Perfect control for efficient ascending, abseiling and working technique. The special construction with comparable reduced elongation with best breaking strength avoids any yo-yo effect during the ascent. This allows the pro-arborist to concentrate fully on his work and the safety improves considerably.

- exceptional knot hold

Cover

Polyester

Construction

32-plaited

Core

Polyamide

**Colour**

652

Neon Yellow-Black

Ø mm	Breaking strength kg	Elongation % at 100kg	Weight g/m	Cover ratio %	Length m
11,5	4300	1,5	100	46	as required

**LIROS Safe Prusik 01590 / 01592**

LIROS Prusik, according to **DIN EN 566**, is notable for its technical construction, with a special combo-material cover of heat-resistant hybrid fibres paired with high-strength Polyester.

- excellent abrasion resistance, even at high temperatures
- hybrid fibres inhibit cover melting
- perfect cover-core attachment
- multiple applications
- sewn eye on each end
- standard length 60, 70, 80, 90, 100, 110 and 120cm

Reference	Ø mm	Breaking strength DIN kg	Breaking strength eff. kg
01592	8	2200	2500
01590	9,1	2200	2700

Cover

Polyester / Aramid 20-plaited

Core

high-tenacity Polyester

**Colour 01590**064
Yellow-Red**Colour 01592**321
Yellow-Silver**NEW****LIROS Safe Sling**

LIROS Safe Sling is an endless sewn loop made from a 9 mm Prusik rope. Manufactured in accordance with **EN 566:2017**. Round-braided cover-core-rope with a durable, heat-resistant and highly abrasion-resistant sheath – offers consistent grip, exceptional flexibility and proven durability under load. Compared to a knotted sling, the Safe Sling is more compact and reliable.

- extremely resistant to abrasion, kinking and bending
- developed for professional use
- versatile applications

Reference	Ø mm	Length cm	Breaking strength DIN kg
00099-2811	9	50	2200
00099-2812	9	60	2200
00099-2813	9	70	2200

Cover

Polyester

Construction

20-plaited

Core

high-tenacity Polyester

Colour111
Neon Yellow-Neon Orange



LIROS Safe Arb

01527

Very easy-to-handle rope, extremely strong and durable. 100% Polyester cover-core construction will not stiffen up. Specially developed LIROS Coating for exceptional abrasion resistance.

- very easy to splice
- extremely strong and durable
- will not stiffen up
- very UV-resistant



LIROS LCS

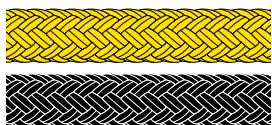
LIROS Coating System

Colours



12 mm
010 Blue

16 mm
171 Red



14 mm
059 Yellow

18 mm
188 Black

Ø mm	Breaking strength kg	Length m
12	4500	as required
14	5500	as required
16	6700	as required
18	7600	as required

Cover

high-twisted Polyester

Construction

20-plaited

Core

high-tenacity
braided Polyester

LIROS Heaving Line

01519-0180

Designed through technical innovation and longevity in mind. Forms loose coils and guarantees easy throwing. High visibility to ensure safe working practice.

- kink resistant
- abrasion resistant
- spliceable

Colours



059
Yellow



171
Red

app. Ø mm	Breaking strength kg	Length of spool m
1,8	200	100



LIROS HSS

LIROS HSS Heat Stretch System

LIROS LCS

LIROS LCS LIROS Coating System

Material Dyneema® impregnated
Construction braided

NEW

LIROS Safe Spill

01535

Abrasion-resistant – durable – robust. Highly durable capstan winch rope made from 100% high-strength polyester. Specially designed for use on all standard capstan winches. Lengths available to order.

- low elongation
- direct force transmission
- abrasion-resistant and highly UV-resistant
- very good knotability
- can be supplied with steel thimble fitted

Colour



239
White-Black

Ø mm	Breaking strength kg	Weight g/m
9,5	3100	79
13	5200	127

Cover high-tenacity Polyester
Construction 1:1 plaited
Core high-tenacity Polyester



LIROS D-Steel

01481

With this line LIROS guarantees highest breaking strength and lowest elongation values with all diameters, best abrasion resistance, low weight and easy spliceability. Enabling new and innovative solutions in forestry and arboriculture. Optimal as replacement of steel ropes in various technical applications.

- *working stretch < 1 %*
- *very high breaking load with smallest diameter and lowest weight*
- *first choice for all applications with extreme loads*
- *10x lighter than steel*
- *excellent spliceability, can also be used with cover*
- *high UV stability and durability*
- *water repellent*
- *LIROS Heat-Stretch-System*

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
8	9000	48	100
10	11500	70	100
12	14500	100	100
14	17500	125	100
16	22000	150	100
18	26000	175	100
20	32000	195	100
22	38000	250	100
24	44000	310	100
26-40			on request

Colour



316
Carbon

LIROS HSS

HeatStretch System

LIROS LCS

LCS Coating System

Material

ultra high-strength HMPE

Construction

12-plaited, heat set and coated

LIROS Felling Aid Rope

02008

Our very low weight and abrasion resistant PES-Vectran felling aid rope/tree towing rope is manufactured with extremely low stretch HMPE-core. The indicated Forest Tractive Force (FTF) on the respective felling aid rope resembles the maximum traction of your forestry windlass.

- *working stretch < 1 %*
- *with FTF-label 2,5t, 4,5t, 6,5t, 8,5t or 10t*
- *available length: 9, 12, 15, 20, 30 and 40m*
- *extremely abrasion resistant PES-Vectran protective cover*
- *eye splice on both ends (length 200mm)*
- *long service life*
- *extremely low weight at high breaking strength*

Ø mm	Breaking strength kg	FTF t	Weight g/m
10	6900	2,5	40
14	13000	4,5	120
16	15200	6,5	160
20	21700	8,5	240
22	24600	10	280

Cover

50% Vectran®/50% Polyester

Construction

32-plaited

Core

Dyneema® SK78 with
XTR-Grip-Coating Silver

Vectran™



LIROS HSS

HeatStretch System

LIROS LCS

LCS Coating System

Colour



419
Beige-Orange



**LIROS Offroad XTR****04010****The world first LIROS XTR Offroad!**

100 % Vectran® winch rope special braid with utility patent protected end connection without metal parts. The easy-to-use LIROS Soft Shackle ensures a permanently secure connection.

- Flexible and lightweight with extreme breaking load
- Permanently integrated high-strength LIROS Soft Shackle
- Constructed from high-tech material Vectran® extremely heat resistant
- Low noise and easy handling
- Minimize the risk of injury due to use of 100% textile fibers
- No metal components to prevent scratching the paint
- Signal colour „red“ for safe and fast work in the field and in poor visibility
- Registered design (DPMA)

LIROS Offroad Extension**04010-0901**

This rope is the extension for the Liros Offroad XTR. It can be used with every conventional winch rope. The length is infinitely variable and can be shorted to approximately half the length. Using this material is far superior in terms of handling and safety.

- Flexible and lightweight with extreme breaking load
- Length easily changeable
- Constructed from high-tech material Vectran® extremely heat resistant
- Signal colour „red“ for safe and fast work in the field and in poor visibility
- Low noise
- Safer and easier to handle
- Minimise the risk of injury due to use of 100% textile fibers

Ø mm	Breaking strength kg	Weight kg / pce.	Length m
9,4	9000	2,4	27
11	10800	2,7	20

Material 100% Vectran® with XTR-Coating**Construction** 12-plaited**Colour**638
Red**Vectran™****LIROS LCS**

100% Vectran® with XTR-Coating System

Ø mm	Breaking strength kg	Weight kg / pce.	Length m
9,4	9000	0,76	10

Material 100% Vectran® with XTR-Coating**Construction** 12-plaited**Colour**638
Red**Vectran™****LIROS LCS**

100% Vectran® with XTR-Coating System





LIROS Offroad Winch Rope

Specially-designed recovery rope for extreme winch applications. Perfect replacement for wire cable. Strong and 10x lighter than steel, LIROS Offroad Winch Rope offers perfect performance and safety. Ready-to-use: carabine hook on one end, plus 2 movable protective jackets for friction points. Winchend: special flat terminal for winch drum attachment, protected by 3m heat resistant monofilament braid.

- *working stretch < 1 %*
- *extremely high breaking load with smallest diameter and lowest weight*
- *Two 1 m protective jackets*
- *ideal replacement for steel cable*
- *very easy to splice*
- *high UV stability and abrasion resistance*
- *LIROS Heat-Stretch-System*

Colour



316
Carbon

LIROS HSS
Heat Stretch System
LIROS LCS
LCS Coating System

Material ultra high-strength HMPE

Reference	Ø mm	Length m	Winch size t	Breaking strength rope kg
01481-0602	6	20	1,3	4000
01481-0603	6	30	1,3	4000
01481-0801	8	30	4,3	5500
01481-0802	8	40	4,3	5500
01481-1001	10	30	4,3	8500
01481-1002	10	40	4,3	8500

Hook breaking strength: 2.5t safe working load



* Winner in "4X4 Action" Magazine for real offroaders.
6 other winch lines tested (4/2014 issue)

LIROS Offroad Towing Rope

LIROS Offroad Towing Rope has been specially designed by LIROS to withstand extremely high forces during dynamic towing (e.g. in sand). The line make it possible to drag stranded SUVs out of the toughest situations. Both ends eye with protective sleeve of abrasion resistant Polyester

- *double-ended eyes with protective sleeve*
- *up to 30% stretch under shock loading*
- *extremely easy to handle under working conditions*
- *custom lengths available*



Material

high-tenacity Polyamide

Construction

8-strand octoplait

Colours



188
Black



228
White

Reference	Ø mm	Breaking strength kg	Length m
01058-2401	24	9500	5
01058-2402	24	9500	8
01058-2403	24	9500	12
01058-2404	24	9500	15
01058-2802	28	12000	9
01058-2803	28	12000	12
01058-2804	28	12000	15



LIROS Offroad Performance

01481
-1201

LIROS XTR Towing has been developed in collaboration with the best teams in international desert rallying. Successfully tested with the most prestigious teams. LIROS XTR Towing is 100% textile high-strength material. It replaces heavy wire ropes and steel fittings. The two integrated LIROS Soft Shackle enable a fast and secure connection. Best handling thanks to low weight.

- Flexible and lightweight with maximum breaking load
- Two integrated high-strength LIROS Soft Shackles
- Registered design (DPMA)
- Low noise and easy handling
- Minimize the risk of injury due to use of 100% textile fibers
- No metal components to avoid scratching the lacquer

Colour



316 Carbon
with red diamond knot

Ø mm	Breaking strength kg	Weight kg / pce.	Length of spool m
12	13000	1,3	12



Material

100% HMPE with XTR-Coating

Confection

Both ends LIROS Special Soft Shackle

LIROS HSS

||||| Heat Stretch System

LIROS LCS

||||| LIROS Coating System

LIROS Offroad Shackle

LIROS Offroad Shackle combines exceptional flexibility and super light weight with enormous breaking load. Extremely abrasion resistant protective sleeve specially developed for off-road use gives this shackle tremendous durability and massive holding power. A must for offroaders.

- super lightweight and easy to handle
- high breaking load
- can't open accidentally under load
- reduces risk of injury
- premium LIROS quality

Colour



316
Carbon



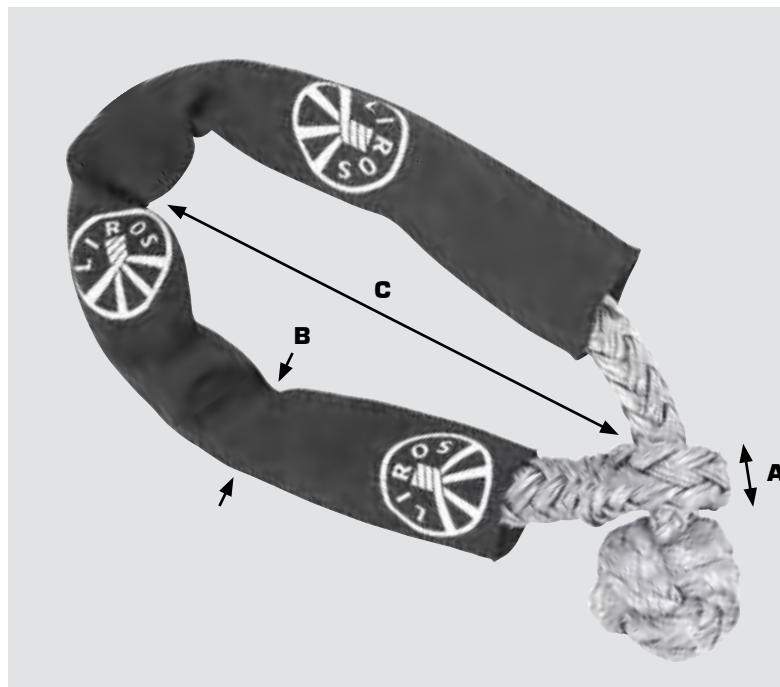
LIROS HSS
||||| Heat Stretch System
LIROS LCS
||||| LIROS Coating System

Material

100% Dyneema®

Protective sleeve

Polyester



Reference	Breaking strength kg	SWL ** kg	FTF t	A Material Ø mm	B Final Ø app. mm	C Inner length mm
00146-0077	7000	4000	3,5	10	18,5	220
00146-0078	12000	7000	6	12	21	240
00146-0079	20000	12000	10	14	23	270
00146-0317	35000	21000	17,5	16	42	300

** SWL = Safe Work Load



Not certified for lifting loads and personal security!

**LIROS D-Pro-XTR****01514**

D-Pro-XTR is a 12-plaited braided Dyneema® line with highly durable XTR Grip Coating. Well-suited as a replacement for steel ropes and hard shackles. D-Pro-XTR is the ultimate line for applications that require the least stretch.

- *working stretch < 1 %*
- *XTReme high breaking load*
- *grip factor 3 (page 10)*
- *extremely low stretch*
- *very light weight*
- *easy to splice*
- *no water absorption*

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
2,5	700	3,5	100
3	1150	5	100
4	1500	7	100
5	3200	13	100
6	5600	23	100
8	7000	35	100
10	11000	60	100
12	15000	72	100
14	18000	95	100
16	22400	131	100

Colour205
Silver**LIROS HSS**

Heat Stretch System

LIROS LCS

LIROS Coating System

Material

Dyneema® SK99

Construction

12-plaited

LIROS D-Pro Static**01504**

LIROS D-Pro Static is ideally suited for all applications where length stability is of high importance, e.g. for static applications.

- *working stretch < 1 %*
- *no creep Dyneema® DM20*
- *high breaking load with smallest diameter and lowest weight*
- *exceptionally easy to splice*
- *highly UV-stable, excellent abrasion resistance*
- *LIROS Coating System LCS*

Ø mm	Weight g/m	Breaking strength kg	Length of spool m
3	5	900	100
4	7	1230	100
5	13	2450	100
6	23	4050	100
8	35	5000	100
10	60	8500	100
12	72	11300	100

Colour205
Silver**LIROS HSS**

Heat Stretch System

LIROS LCS

LIROS Coating System

Material

Dyneema® DM20

Construction

12-plaited

**LIROS D-Steel****01481**

With this line LIROS guarantees highest breaking strength and lowest elongation values with all diameters, best abrasion resistance, low weight and easy spliceability. Enabling new and innovative solutions in forestry and arboriculture. Optimal as replacement of steel ropes in various technical applications.

- *working stretch < 1 %*
- *very high breaking load with smallest diameter and lowest weight*
- *first choice for all applications with extreme loads*
- *10x lighter than steel*
- *excellent spliceability, can also be used with cover*
- *high UV stability and durability*
- *water repellent*
- *LIROS Heat-Stretch-System*

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
6	5200	34	100
8	9000	48	100
10	11500	70	100
12	14500	100	100
14	17500	125	100
16	22000	150	100
18	26000	175	100
20	32000	195	100
22	38000	250	100
24	44000	310	100
26-40		on request	

Material ultra high-strength HMPE**Construction** 12-plaited, heat set and coated**LIROS HSS****LIROS LCS****Colour**316
Carbon*Not certified for lifting loads and personal security!***LIROS Dyneema® Braid**

LIROS offers a comprehensive range of braided Dyneema® lines which can be used in industry as well as the nautical and aviation environments.

- *working stretch < 1 %*
- *extremely strong*
- *very low stretch*
- *available in diameters from 0,06–24 mm*
- *custom lengths, construction, and colour impregnation available*
- *500m X-Spool standard*

Material
Dyneema®**Colour**228
White

Reference	Ø mm	Breaking strength kg	Construction
00148-0006	0,06	3,8	3-plaited
00148-0014	0,14	8,0	3-plaited
00148-0018	0,18	11,5	3-plaited
00148-0024	0,24	16	6-plaited
00148-0030	0,3	25	6-plaited
E0148-0049	0,49	46	12-plaited
E0148-0058	0,58	80	16-plaited
E0148-0079	0,79	104	12-plaited
E0148-0085	0,85	130	16-plaited
E0148-0110	1,10	170	12-plaited
E0148-0111	1,11	200	12-plaited
E0148-0151	1,28	300	12-plaited
E0148-0161	1,6	400	12-plaited
E0148-0201	2,0	700	12-plaited

Additional diameters available upon request.

**LIROS D-Pro****01505**

LIROS Heat-Stretch-System guarantees optimal breaking loads and stretch characteristics of this line. Excellent chafing resistance, light weight, and easy spliceability make this line irreplaceable in all sorts of applications on racing boats of any size. Perfect as a replacement for steel cabling in technical applications.

- *working stretch < 1 %*
- *very high breaking load with small diameter and very low weight*
- *first choice for any application under extreme loads*
- *very spliceable*
- *highly UV stable and chafe resistant*
- *LIROS Heat-Stretch-System*

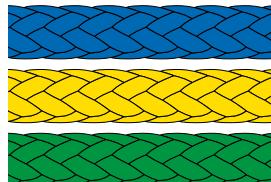
Material Coated Dyneema® SK78

Construction 12-plaited, heat-set and coated

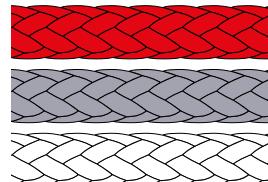


Not certified for lifting loads and personal security!

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
1	195	0,9	100
1,5	230	1,3	100
2	410	1,8	100
2,5	580	3,5	100
3	950	4,6	100
4	1300	7	100
5	2600	13	100
6	4300	23	100
8	5300	35	100
9	7500	49	100
10	9000	60	100
12	11900	72	100
14	14500	95	100
16	19200	131	100

Colours

010
Blue
059
Yellow
086
Green



171
Red
205
Silver
228
White



674
Deep Black



LIROS HSS

HeatStretchSystem

LIROS LCS

LIROS Coating System

LIROS Aramid**00144**

Very low stretch, durable and strong Aramid rope with Polyester cover for optimal UV and abrasion resistance.

- *working stretch < 1,5 %*
- *strong*
- *extremely low stretch*

Ø mm	Breaking strength kg	Length of spool m
2	170	500
2,5	260	500
3,5	500	500
5	800	250
6	1100	200
8	2000	200
10	2600	200

Cover

Polyester

Construction

up to 2.5 mm
3.5 mm and up

16-plaited
1:1 plaited

Core

braided Aramid

Colours

236
White-Red



525
Black NF

Twaron®

The power of Aramid



LIROS LTC

LIROS LTC - performance at its best! The high tech line with double coating for the best in aerodynamics. The unique LIROS LTC process coats Technora® fibres before braiding for the best in static hold, UV stability, lateral strength, and line handling. LIROS LTC is the perfect line for competitive and advanced-intermediate use.

- *lowest stretch*
- *very low creep*
- *double nanocoating*
- *optimum surface finish*
- *peak performance*
- *LIROS Heat-Stretch-System*

Reference	app. Ø mm	Breaking strength kg	Length of spool* m
LTC00-0045	0,55	45	1000
LTC00-0065	0,65	65	1000
LTC00-0080	0,70	80	1000
LTC00-0120	1,10	120	1000
LTC00-0160	1,20	160	1000
LTC00-0200	1,30	200	1000
LTC00-0350	1,75	350	500
LTC00-0400	1,90	400	500



* LIROS LTC lines may come in pieces to a spool.
No line will be shorter than 25 m.

Colour

705
Beige NF

Material

Technora

Technora®

The power of Aramid

LIROS HSS

Heat Stretch System

LIROS LCS

LIROS Coating System



LIROS Aramid Cord 00147

Extremely strong and low-stretch cord for specialised industrial and leisure applications. Extremely strong, low stretch, with high heat resistance.

- *working stretch < 1,5 %*
- *very good steel cable replacement*
- *customised lengths available*
- *additional diameters available upon request*

Ø mm	Breaking strength kg	Con- struction	Length of spool m
0,4	45	6-plaited	500
0,9	80	6-plaited	500
1	100	16-plaited	500
1,5	135	8-plaited	500
2,1	290	8-plaited	500
3	560	8-plaited	500
4	700	16-plaited	500
5	1000	12-plaited	250
6	2000	12-plaited	200

Colour

059
Yellow

Material

braided Aramid

Twaron®

The power of Aramid

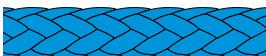


8-plaited

LIROS Polyester Braid**01037 / 01038 / 01040**

High-strength Polyester rope. Flexible, very UV- and abrasion resistant. Will not stiffen up.

- *working stretch < 10%*
- *custom lengths available*

Colour 01037525
Black**Colour 01038**228
White**Colours 01040**010
Blue059
Yellow086
Green171
Red188
Black228
White

16-plaited

	Ø mm	Breaking strength kg	Length of spool m
White & Colour	1	45	500
	1,5	65	500
	2	100	500
	2,5	150	500
	3	200	500
	4	330	500
	5	500	250
	6	800	200
	8	1150	200
	10	2000	200
White & Black	12	2900	200
	14	3900	150
	16	4200	100

Material

high-tenacity Polyester

Construction 01037 / 01038

up to 8 mm 16-plaited with core
10mm and up 20-plaited with core

Construction 01040

1 mm - 1,5 mm 6-plaited
2mm and up 8-plaited

**LIROS Polyester Spiral Braid****01045**

Flexible high-strength Polyester rope. Very UV- and abrasion resistant and will not stiffen up.

- *working stretch < 10%*
- *custom lengths available*

Colour228
White**Material**

high-tenacity Polyester

Construction
spiral braiding

	Ø mm	Breaking strength kg	Length of spool m
	3	160	500
	4	280	500
	5	435	250
	6	670	200
	8	840	200
	10	1500	200
	12	2200	200
	14	3600	150



8-plaited

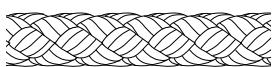
LIROS Polyamide Braid

01025 / 01030 / 01027

High strength Polyamide Cord. Highly elastic and flexible, very UV- and abrasion resistant.

- *working stretch < 15%*
- *custom lengths available*

Colour 01025



228
White

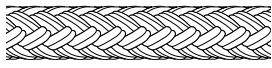
Material

high-tenacity
Polyamide

Construction 01025 / 01030

0,5 mm - 1 mm
6-plaited
1,5 mm and up
8-plaited

Colour 01027



228
White

Construction 01027

16-plaited
with core

Colours 01030



010
Blue



059
Yellow



086
Green



171
Red



188
Black

16-plaited

	Ø mm	Breaking strength kg	Length of spool m
--	---------	-------------------------	----------------------

01025 / 01030

White	0,5	15	500
White & Colour	1	50	500
	1,5	65	500
	2	115	500
	2,5	160	500
	3	200	500
	3,5	300	500
	4	350	500
	5	570	250
	6	880	200
	8	1600	200
White & Black	10	2400	200
	12	3200	200
	14	3600	150
	16	4300	100
01027			
White	1,5	50	500
	2	110	500
	2,5	190	500
	3	240	500
	4	400	500
	5	590	250
	6	1000	200
	8	1800	200
	10	2800	200

LIROS Polyamide Spiral Braid

Spiral plaited Polyamide Cord. Round, flexible, high stretch and very UV-resistant.

- *working stretch < 20%*
- *custom lengths available*

Colour



228
White

01035

	Ø mm	Breaking strength kg	Length of spool m
--	---------	-------------------------	----------------------



Material

high-tenacity Polyamide

Construction

spiral braiding

4	290	500
5	450	250
6	600	200
8	1000	200
10	1800	200
12	3000	200
14	3500	150
16	4200	100



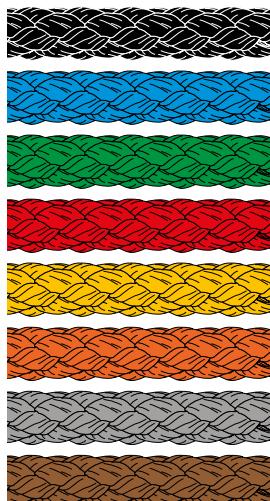
LIROS Coloured Polypropylene Braid

01072

Spun-dyed Polypropylene multifilament. Economical with wide variety of use.

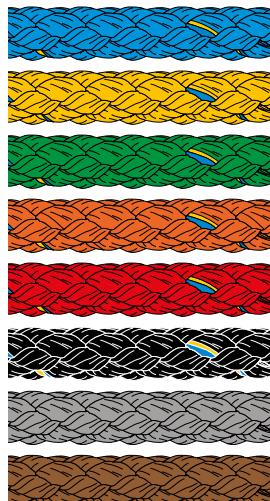
- *working stretch < 12%*
- *UV stabilised*
- *6 mm and up with blue/gold flecks*
- *custom lengths available*

Colours Ø 1-5 mm (NF)



525	Black
526	Blue
527	Green
530	Red
536	Yellow
539	Orange
541	Grey
543	Brown

Colours Ø 6-16 mm



010	Blue
059	Yellow
086	Green
150	Orange
171	Red
188	Black
541	Grey NF
543	Brown NF

Ø mm	Breaking strength kg	Length of spool m
1	30	500
1,5	38	500
2	70	500
3	140	500
4	280	500
5	390	250
6	550	200
8	900	200
10	1230	200
12	1700	200
14	2000	150
16	3700	100



Material

spun-dyed
Polypropylene multifilament

Construction

8-plaited

LIROS Nautic Hollow Braid 01072

All-purpose spun-dyed Polypropylene multifilament. Very easy to splice, floats. 16-plaited hollow braid.

- *working stretch < 15%*
- *very easy to splice*
- *durable and UV stabilised*

Reference	Ø mm	Breaking strength kg	Length of spool m
01072-0900	9	1000	200
01072-1012	11	1300	200



Colours



525	Black
-----	-------



530	Red
-----	-----



536	Yellow
-----	--------

Material

spun-dyed Polypropylene multifilament

Construction

16-plaited without core



8-plaited

Spiral braid

LIROLEN Braid 01070 / E1070 / 01075

High-strength Polypropylene multifilament, good UV resistance, floats.

- *working stretch < 12%*
- *UV-stabilised*
- *custom lengths available*

Construction 01070

Ø 1–16 mm
 1 mm 6-plaited
 2 mm and up 8-plaited

Colour 01070



228
White

Ø mm	Breaking strength kg 01070/E1070	Breaking strength kg 01075	Length of spool m
1	30	–	500
2	75	–	500
3	140	–	500
4	280	140	500
5	390	200	250
6	550	310	200
8	1000	600	200
10	1300	1100	200
12	1600	1700	200
14	2000	2000	150
16	3300	2600	100

Construction E1070

Ø 2–16 mm
16-plaited with core

Colour E1070



228
White

Construction 01075

Ø 3–16 mm
spiral braid

Colour 01075



228
White

LIROS
GREEN WAVE

Material
high-tenacity
Polypropylene
multifilament



LIROS All-Purpose

01060 / 01061

Economical, floating all-purpose line in UV-stabilised Polypropylene fibres.

Ø mm	Breaking strength kg	Length of spool m
6	400	200
8	700	200
10	1100	200
12	1500	200

Colour 01060



150
Orange

Colour 01061



021
Blue-White

LIROS
GREEN WAVE

Material 01060

Polypropylene monofilament

Material 01061

Polypropylene split-fibre

Construction

8-plaited



LIROS Venetian Blind Cord

20140 / 20145 22140 / 22145

100% Polyester from 2.5 mm with core, tight braided. UV- and abrasion resistant.

- *round, dimensionally stable braid*
- *custom lengths and colours available*

Reference	Ø mm	Length of spool m
20140 / 22140	0,8	500
	1	500
	1,5	500
	1,7	500
	2	500
20145 / 22145	2,5	500
{with core}	3	500
	3,5	500

Colour 20140 / 20145



228
White

Colour 22140 / 22145



188
Black



Material high-tenacity Polyester

Construction 16-plaited, Ø 2,5 mm and up with core

LIROS Starter Cord

10145 / 10445

Special twist and compact braid construction for extreme abrasion resistance.
100% Polyamide. Durable and high stretch to minimise recoil.

- *special impregnation upon request (Ref. 10445)*
- *custom lengths available*

Ø mm	Length of spool m
3	500
3,5	500
4	500
4,5	500
5	250
6	200

Colour 10145



228
White

Colour 10445



418
White, impregnated



Material high-strength Polyamide

Construction 16-plaited without core



LIROS Trim Line

Low-stretch, high-grip, great holding power in cleats. Compact, round, UV- and abrasion resistant braiding.

- *working stretch < 5%*
- *low-stretch, high-grip*
- *excellent for windsurfing*

Colours



188	
Black	
229	
White-Blue	

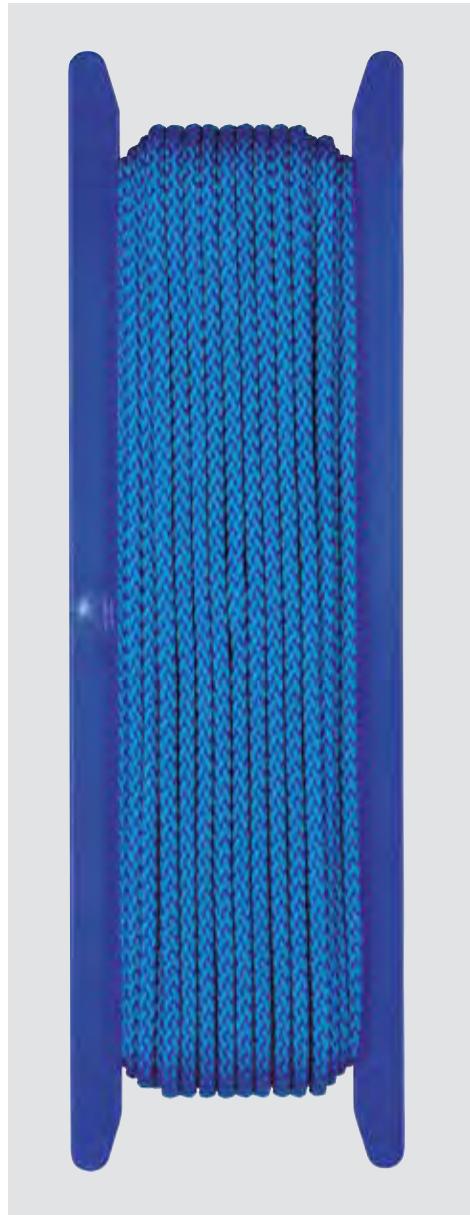


01051

Ø mm	Breaking strength kg	Length of spool m
3	200	100
4	320	100
4,5	500	100
5	610	100
6	800	100

Material
Polyester

Construction
16-plaited with twisted core



LIROS All-purpose Line 10070 / 10072

For camping, outdoor, around the house. Handy winder pre-packed in LIROS polybag.

- *attractive, selfservice product*
- *UV resistant*
- *multiple outdoor and industrial applications*

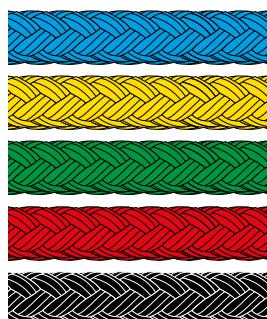
Reference	Ø mm	Winder length m
10070/10072-0230	3	20
10070/10072-0330	3	30
10070/10072-0530	3	50
10070/10072-0240	4	20
10070/10072-0340	4	30
10070/10072-0250	5	20
10070/10072-0350	5	30

Colour 10070



228
White

Colours 10072



010
Blue
059
Yellow
086
Green
171
Red
188
Black



**LIROS Barrier Color****01160 / 01161**

Visually appealing cable braid, specially designed for stairways and cordoned areas.

- Ø 28-30mm
- *custom lengths available*

Colour 01160

046
Dark Green

Colour 01161

188
Black

Material 01160

Acrylic yarn

Material 01161

Spun Polyester

Construction

4-strand cable braiding

**LIROS Barrier Classic****1140D / 0114D**

Cable braided rope, specially designed for stairways and cordoned areas. Polyhemp has the same good grip as hemp, but is even softer and more weather-resistant.

- *abrasion resistant*
- *easy to splice*

Colour

546
Hemp NF

**Material 1140D**

spun Polypropylene rope yarn

Material 0114D

natural spun hemp

Construction

4-strand cable twist

**LIROS Barrier Classic****01141**

Cable braided rope, specially designed for stairways and cordoned areas. Polyhemp has the same good grip as hemp, but is even softer and more weather-resistant.

- *Diameter 35 mm*
- *100m coil*

Colour

546
Hemp NF

Material

spun Polypropylene
rope yarn

Construction

4-strand cable twist



**LIROS Seastar Classic****00173**

Premium high-grip, natural-coloured cover-core sheet for traditional yachts.

- *working stretch < 6%*
- *high-grip, easy to handle*
- *high-end, classic look*
- *available with low-stretch Dyneema® core for racing applications (Ref. 02520)*

Colour546
Hemp NF

Ø mm	Breaking strength kg	Length of spool m
6	520	200
8	1000	200
10	1900	200
12	2400	200
14	2900	150
16	3500	100
18	4500	100
20	5200	100

**Cover** matt Polyester yarn

Construction	6 – 8 mm	16-plaited
	10 – 12 mm	20-plaited
	14 mm and up	24-plaited

Core high-tenacity braided Polyester**LIROS Classic 3-strand****01172**

Premium high-grip, natural-coloured 3-strand rope for traditional yachts. Durable and abrasion resistant.

- *working stretch > 15%*
- *high-grip, very easy to handle*
- *premium appearance*

Colour546
Hemp NF

Ø mm	Breaking strength kg	Length of spool m
3	100	250
4	170	250
5	250	250
6	350	200
8	730	200
10	1100	200
12	1300	200
14	1700	150
16	2200	100
18	3500	100
20	4900	100

Material matt Polyester yarn**Construction** 3-strand

**LIROS ClassTech****01127**

LIROS ClassTech is the ideal line for classic sailors with ambition. Combines the high abrasion resistance and durability of synthetic fibres with the classic look of hemp ropes.

- *working stretch > 8%*
- *durable and UV stabilised*
- *acid- and base-resistant*
- *very abrasion resistant*
- *spliceable*
- *floatable*
- *only available in 220m coils*

Colour705
Beige NF

Ø mm	Breaking strength kg	Length of coil m
10	1600	220
12	2250	220
14	3100	220
16	3850	220
18	4900	220
20	5900	220
22	7100	220
24	8300	220
26	9550	220
28	10900	220



Material high-tenacity Polypropylene fibre
Construction 3-strand

**LIROS Historic****01140**

Looks like hemp, but softer, more weather-resistant, and better durability, UV resistant.

- *working stretch > 15%*
- *easy to splice*
- *soft, good grip*
- *classic appearance*
- *weather-resistant*
- *floatable*

**Colour**546
Hemp NF

Ø mm	Breaking strength kg	Length of spool m
6	320	200
8	500	200
10	800	200
12	1100	200
14	1500	150
16	2000	100
18	2400	100
20	3000	100
22	3650	100
24	4800	100
26	5400	100
28	6000	100
30	6400	50

Material spun Polypropylene yarn
Construction 3-strand



LIROS Hemp Cord

100% flax for a classic appearance.

- Perfect for decorative applications
- environmentally friendly
- naturally bio-degrades

Colour



546
Hemp NF

00310

Ø mm	Length of spool m
3	500
3,5	500
4	500
4,5	500
5	250
6	200
8	200
10	200
12	200
14	150

Material
Flax

Construction
8-plaited



LIROS Hemp Rope

00114

100% natural hemp, according to **DIN EN 1261** (previously DIN 83325).

- high grip
- environmentally friendly
- naturally bio-degrades

Colour



546
Hemp NF

Ø mm	Breaking strength kg	Length of spool m
6	230	200
8	360	200
10	560	200
12	860	200
14	1100	150
16	1460	100
18	1800	100
20	2200	100
22	2600	100
24	3150	100

Material
Natural hemp

Construction
6mm
8mm and up 3-strand
 4-strand



**LIROS Cotton Cord**

100% natural cotton.

- *8-plaited*
- *soft and high grip*
- *environmentally friendly*
- *naturally bio-degrades*

00510

Ø mm	Length of spool m
3	500
4	500
5	250
6	200
8	200
10	200

Colour140
Natural**Material**

Cotton

Construction

8-plaited

LIROS Cotton Cord

100% natural cotton.

- *16-plaited without core*
- *soft and high grip*
- *environmentally friendly*
- *naturally bio-degrades*

00512

Ø mm	Length of spool m
5	250
6	200
8	200
10	200

Colour140
Natural**Material**

Cotton

Construction

16-plaited without core



LIROS Rigger Bag

00146-0056

Premium splicing kit for the professional sailor. Contains all the splicing tools and accessories needed to work on all known LIROS yachting rope types.

- ext. dimensions: 41x31x10cm
- Contains: 1x Whipping needle; 1x swedish fid; 3x splicing needles (5,5–7,5–10mm); LIROS rope catalogue; 1x scissor; LIROS USB-Stick with splicing instructions; LIROS Tape; Dyneema® whipping twine; 1x pen; 1x lighter

LIROS Protect

Perfect protection for mooring lines up to 30 mm diameter. To be fixed with or without wire ties for flexible adjustment at the rope.

- width 37 mm for ropes up to 16mm
- width 60 mm for ropes from 18mm up to 30mm diameter
- available in pieces or provided on reels
- colour number 204



Reference	Ø mm	for rope Ø	Length m
00146-0272	37	8–16	50 (spool)
00146-0273	37	8–16	2x0,75 (kit incl. cable ties)
00146-0274	60	18–30	50 (spool)
00146-0275	60	18–30	2x0,75 (kit incl. cable ties)

**LIROS Splicer Pro****00143**

The professional tool for our LIROS splicing department – ideal for all core-cover splices.

Reference	Size	Splice mm*	Measurements mm
00143-1000	S	4–8	180x6
00143-2000	M	10–12	300x8
00143-3000	L	12–14	335x9
00143-3050	XL	16–20	260x12
00143-5008	XXL	22–28	500x18

depends on the rope plait*LIROS Splicing Needle Set 00143**

Five premium stainless steel splicing needles, perfect for splicing ropes from 4–14 mm in diameter. Suitable for twisted and for plaited lines. Comes in a convenient plastic tube with screw-top.

- Measurements: 233 x 12,5mm; 175 x 9mm; 115 x 7mm; 135 x 5mm

Reference	Size	Content	for rope Ø mm
00143-5004	Standard	set of 4	4–12 mm
00143-5011	Dinghy	set of 2	4–6 mm
00143-5012	Cruising	set of 2	8–12 mm

**LIROS Whipping Needle****00143-4000**

LIROS Splicing Department-approved needle for splicing and whipping lines up to 4 mm. Usable without sailmaker gloves. Saves time and energy while whipping any kind of rope.



00143-0005



00143-0006

LIROS Swedish Fid

00143

Classic, reliable splicing tool for 3-strand and square-braided ropes.

- 00143-0005 – up to 12mm
- 00143-0006 – 14mm and up

LIROS Micro-Splicing Needle 00143-4001

Ideal for splicing hollow braided kite and paragliding lines from 0,6mm up to 1,1 mm. 6 pieces per package.



LIROS Connect 00104

00104

Extremely safe – extremely easy – extremely strong.
A high-quality alternative to common forest winch attachments.
Simply loop your rope around LIROS Connect and attach your hook for a professional installation. Can be done by any user directly on-site.

Reference	00104-0001	00104-0002
Rope diameter	10mm	12-16mm
Max. load	5t	10t
Pin diameter	16,5 mm	21,5 mm
Distance between end plates	50 mm	57 mm
End plate diameter	36,5 mm	53,5 mm



Usage example (rope and hook not included)



LIROS XTR-Finish

00146-0057

LIROS XTR-Finish is the perfect coating for additional protection against abrasion and UV effects on all kind of ropes (Polyester, Dyneema®, Zylon®). LIROS XTR-Finish comes in 250ml bottles.

- ready to use
- optimized UV-protection
- easy-to-clean, water-based solution
- each package: 250ml bottle + sponge
- available colours: 078 Grey, 171 Red, 220 Transparent



TECHNICAL ACCESSORIES



LIROS Heat Cutter

Cutting and sealing synthetic ropes and lines. 21 mm cutting edge.

- 60W rating
- for adult use only
- 00146-0000 Heat cutter

Accessories:

- 00146-0001 Replacement blade



LIROS Heat Cutter Pro

For professional use. Cutting and sealing of synthetic ropes and lines. 40 mm cutting edge. Quick setup and cutting edge heating.

- 120 W rating
- for adult use only
- 00146-0276 Heat Cutter Pro

Accessories:

- 00146-0018 Replacement blade



LIROS Heat Cutter Cordless

- 115W rating
- ideal for mobile use
- quick setup and cutting edge heating
- 00146-0284 Heat Cutter Cordless

Accessories:

- 00146-0001 Replacement blade
- 00146-0523 Rechargeable battery



LIROS Scissor Pro

00146-0277

Specially designed to cut Dyneema®, Vectran®, Aramid, PBO. Micro-serrated.

- total length 16cm
- cutting length 3cm
- for adult use only

LIROS Ceramic Pro **00146-0278**

Top quality riggers knife for clean dry cuts. Perfect for cutting Dyneema®, Vectran®, Aramid, PBO.

- blade length: 11 cm
- razor sharp
- rust resistant
- very lightweight



Caution: Cutting tools should be kept out of the reach of children!



LIROS Splicing Bench 00146-0106

Professional splicing bench designed by LIROS to provide perfect working conditions for professional splicing and rigging. Features Antal-W48ST aluminium winch for pretensioning ropes. Special LIROS anchor point for making eye splices.

- (l) 2,00m x (w) 0,80m x (h) 1,20m
- also available without winch
- with detailed fid-length stencil for optimal splice lengths



LIROS Rope Measuring Gauge 00138

High quality and robust construction. For plaited cords, plaited lines and ropes with diameters between 3mm and 20mm. For wall mounting.

- size: 43 x 26cm
- weight: 2,9 kg
- very robust aluminium construction

**LIROS Rope Display****00135**

Premium free-standing or wall-mount rope display. Guarantee for superior presentation of LIROS rope.
Premium powdercoated brush metal appearance.

Reference	Description	pieces required for one free- standing display	pieces required for one wall display
00135-3001	Side element (175 cm height)	4	2
00135-3002	Extension (80 cm height)	(4)	(2)
00135-3003	Top for headline (25 cm height)	4	2
00135-3004	Bars (92 cm width)	12	6
00135-3005	Reinforcement braces (2-piece)	1	—
00135-3006	Advertising sign (92 cm width/ 25 cm height)	2	1





LIROS Infoboard

00135-3012



LIROS Infoboard ensures optimal presentation of LIROS products at the point of sale. The detailed, individual description of each LIROS rope product facilitates and supports the salesperson on site. Fits LIROS Rope display.

Contents:

- 1 x Infoboard
- 2 x self-adhesive marking strips
- 1 x cover sheet for product cards
- 1 x rubber cord 105 cm
- 1 x fitting instructions
- width: 90 cm/ depth: 43 cm (exceeding the bars by 26 cm)

LIROS Cutting Plate **00135-3015**

Variable fixable cutting plate. Includes two hooks for hanging the heat cutting device, scissors, etc. Keeps order on LIROS Rope Displays.

- Measurements: (w) 13cm x (d) 37cm

NEW



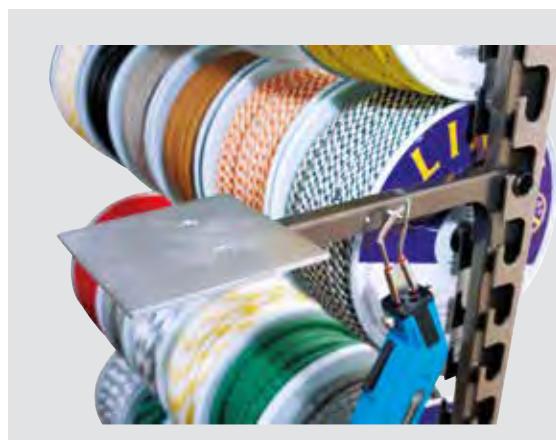
LIROS Counter Display

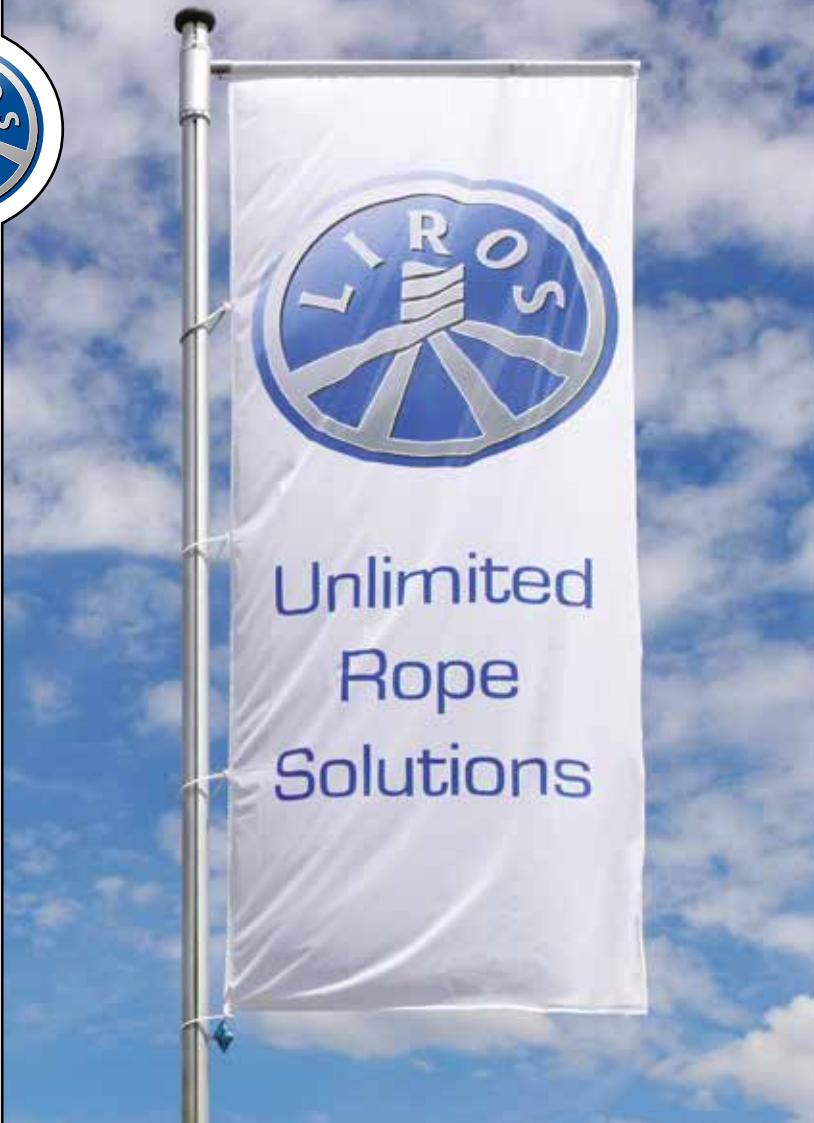
00146-0016

Premium silver powder-coated metal display for optimal presentation at the point of sale.

Can be fitted with several assortment boxes of e.g. D-Pro, Magic Sport, Trimline or whipping twine (pages 47-50).

- Colour silver





LIROS Backpack

High quality LIROS backpack with a storage capacity of 20 litres.

- *large main + side + laptop compartment*
- *padded back*
- *adjustable shoulder straps and chest strap*

Reference	Capacity L
-----------	---------------

00146-0318

20

LIROS Flags

Reference	Measurements
00146-0099	80 x 80 cm
00146-0032	160 x 160 cm
00146-0028	150 x 300 cm
00146-0204	150 x 400 cm



LIROS Coffee Cup
00146-0029



LIROS Fleece Vest

Made of Polyester, sizes from S to 3XL.

Reference	Size
00146-0202	S
00146-0226	M
00146-0227	L
00146-0228	XL
00146-0229	2XL
00146-0506	3XL



Reference	Measurements
-----------	--------------

- ① 00146-0047 Ø 50 cm
- ② 00146-0052 Ø 25 cm
- ③ 00146-0110 30 x 7 cm
- ④ 00146-0046 80 x 12 cm
- ⑤ 00146-0048 Ø 9 cm

Reference	Measurements
-----------	--------------

- ⑥ 00146-0216 Ø 40 cm
- ⑦ 00146-0205 Ø 25 cm
- ⑧ 00146-0215 Ø 20 cm
- ⑨ 00146-0214 Ø 15 cm

LIROS Sticker

Reference	Size
-----------	------

- 00146-0119 S
- 00146-0067 M
- 00146-0065 L



LIROS Carpet

Premium LIROS doormat. Easy to clean.

Reference	Measurements
-----------	--------------

- 00146-0075 60 x 40 cm
- 00146-0040 85 x 120 cm

LIROS Drinks bottle

00146-0325

High quality thermal drinks bottle, made from stainless steel. Capacity: 0,75 L.

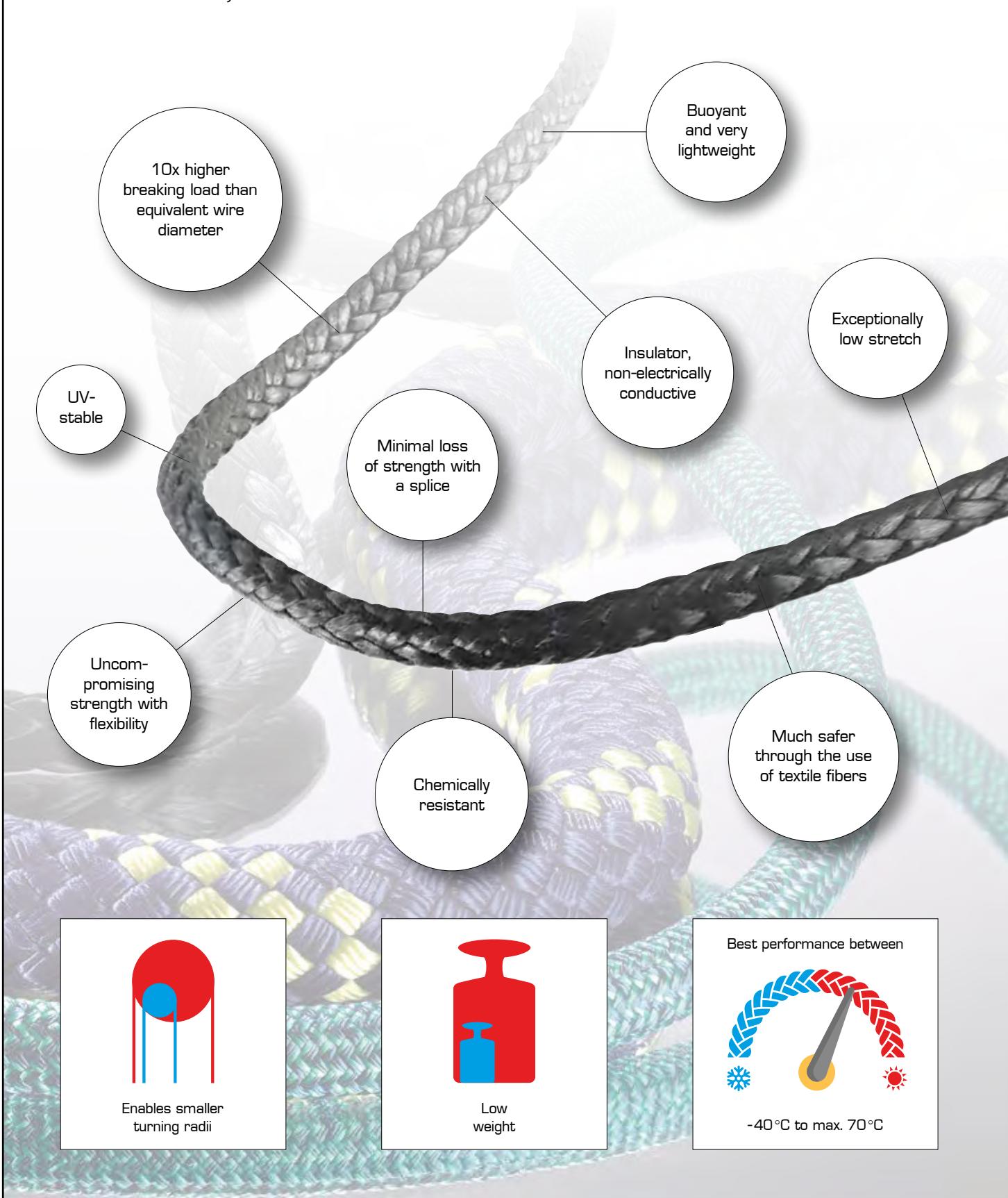




Unlimited Rope Solutions for steel rope replacement

LIROS high tech fiber ropes are perfect for replacing steel ropes and offer many advantages! Exceptional strength to weight ratio, ultimately leads to a cost saving through innovative design and less component requirements.

- LIROS 01505 D-Pro
- LIROS 01481 D-Steel
- LIROS 01514 D-Pro XTR
- LIROS 01504 D-Pro Static
- LIROS 02000 Regatta 2000
- LIROS 00146 Soft Shackle
- LIROS 00148 Dyneema® Braid
- LIROS EO148 Dyneema® Braid





Dyneema®

Dyneema is a high-modulus polyethylene fibre with exceptional tear and abrasion resistance properties. The material is characterised by its very low weight, excellent resistance to chemicals and environmental influences, and outstanding durability.

Vectran™

Vectran is a high-performance multifilament yarn that is characterised by excellent cut and creep resistance and very low elongation under load with low weight. Vectran fibres are very resistant to abrasion and mechanical stress.

Technora®

The power of Aramid

Technora is ideal for dynamic applications due to its high breaking loads and very low elongation. The material is also heat-resistant up to approx. 400 °C. Technora fibres are highly resistant to cuts and have excellent resistance to organic chemicals.

Twaron®

The power of Aramid

Twaron is characterised by high strength, low density and good chemical resistance. The fibres are abrasion-resistant and heat-resistant up to a temperature of approx. 400 °C, resistant to cuts and very dimensionally stable.

ZYLON

Zylon is a high-performance fibre with outstanding properties such as high tensile strength, low elongation, flame retardancy and heat resistance. Zylon fibres are chemical-resistant and abrasion-resistant. The only disadvantage of the fibre is its poor UV resistance.

POLYESTER

Polyester fibres are characterised by high strength and abrasion resistance. They are lightweight, flexible and resistant to chemical/physical influences.

POLYAMID

Polyamide is a material characterised by durability and high elongation values. Polyamide fibres are suitable for all applications that require high elastic damping, such as mooring lines.

POLYPROPYLEN

Polypropylene fibres are lightweight, chemically resistant, dimensionally stable and buoyant. PP also has excellent dielectric properties.



Recommended Line Diameters

Regatta

Sail surface (m ²)	10	20	30	40	50	60	70	80	90	100
Racer-XTR 02008	–	–	8	8	8	10	10	12	12	14
Racer Hybrid 02026	–	–	8	8	8	10	10	12	12	14
Racer Vision 02027	–	–	8	8	8	10	10	12	12	14
Racer 02001	–	6	8	10	10	12	12	14	14	16
Regatta 02000	5	6	8	10	10	12	12	14	14	16
Dynamic 02004/02028	6	8	10	12	14	14	14	–	–	–
D-Pro 01505	4	5	6	8	8	9	9	10	12	14
Control-XTR 02024/02224	5	6	8	8	8	10	10	12	12	14
V-Force 04000	6	8	8	10	12	–	–	–	–	–

Cruising

sail surface (m ²)	10	20	30	40	50	60	70	80	90	100
Racer 02001	–	6	8	10	10	12	12	14	14	16
Regatta 02000	5	6	8	10	10	12	12	14	14	16
Dynamic 02004/02028	6	8	10	12	12	14	14	–	–	–
Magic Speed 01572	–	8	10	12	–	–	–	–	–	–
TopGrip 01540	6	8	10	12	14	14	14	–	–	–
Herkules 00154/01550/01552	6	8	10	12	14	14	14	16	16	18
Top-Cruising 00152/01528	6	8	10	12	14	14	14	16	16	18
Prestretch 00121/00122	6	8	10	12	–	–	–	–	–	–
Allround 00151	8	10	12	14	14	16	–	–	–	–
Seastar 00162/00172	6	8	10	12	14	14	16	18	18	–

For guy ropes choose a heavier diameter!



Always choose the right stopper based on your line's diameter. The wrong stopper size can damage your line. Opening the stopper under load leads to increased material wear on the rope.

Recommended Mooring Lines



RECOMMENDED MOORING LINE DIAMETERS

LIROS Mooring Lines

	Boat Size (ft)	20–27	33	40	46	52–60	65–73	78–85	90–105	110–118	124–131
	Boat Size (m)	6–8	10	12	14	16–18	20–22	24–26	28–32	34–36	38–40
	Displacement (t)	< 1	2	5	12	20	25	30	40	70	> 80
catalogue		Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm
24	Super Yacht Mooring 01300	–	–	–	–	–	–	–	24	24	28
26	Porto 00133	10	12	14	16	18	20	22	24	–	–
29	Squareline 01047/01049	10	12	14	16	18	20	22	24	26	28
31	Polyester Rope 00111/01110	10	12	14	16	18	20	22	24	26	28
28	Holiday 01083	12	14	16	–	–	–	–	–	–	–
30	Moorex 12 00132	12	14	16	18	20	22	24	26	28	30
32	Polyamide Rope 00110	10	12	14	16	18	20	22	22	24	26
25	Handy Elastic 00136/00137	10	12	14	16	18	20	22	22	24	26



Always secure any watercraft with at least 4 mooring lines.

Length of lines: Two lines @ 1.5x boat-length and two lines @ 1.0x boat-length (m)

INFO

LIROS manufactures materials, which are subject to customary fluctuations. All published technical data are therefore only for general reference and comply with the average results achieved in the manufacturing process. Alterations in design, technology and manufacture are subject to change at any time.

We recommend visual inspection of every line, before and after use. Lines should be removed from use if the load-bearing portion shows evidence of damage, even through normal wear and tear.

Please find safety instructions for LIROS ropes on www.liros.com/support/technical-informationen

LIROS products for personal safety and for lifting loads are specially labelled.

Technical specifications are not binding and do not set the customer free from his duty to check if the products are suitable for the intended operation and purpose.

LIROS splices are guaranteed up to 80% of the stated linear breaking load!!

Please find splicing instructions for LIROS ropes on www.liros.com/support/downloads

Please note that the colours shown in the product images in the catalogue may differ from the actual products.

Care instructions: LIROS quality lines may be washed in mild detergent on „delicate“ cycle at 30°C, packed in a cotton bag.

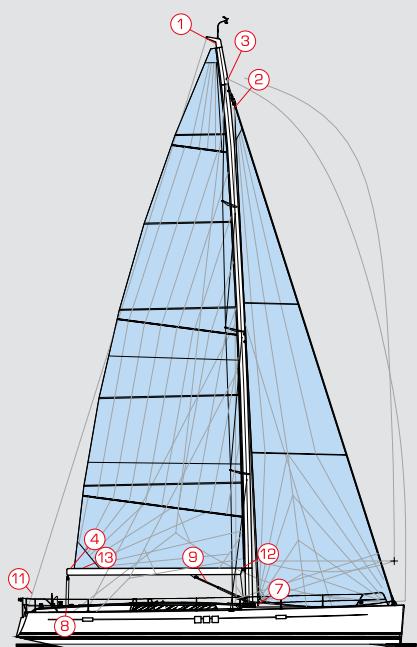


CRUISING

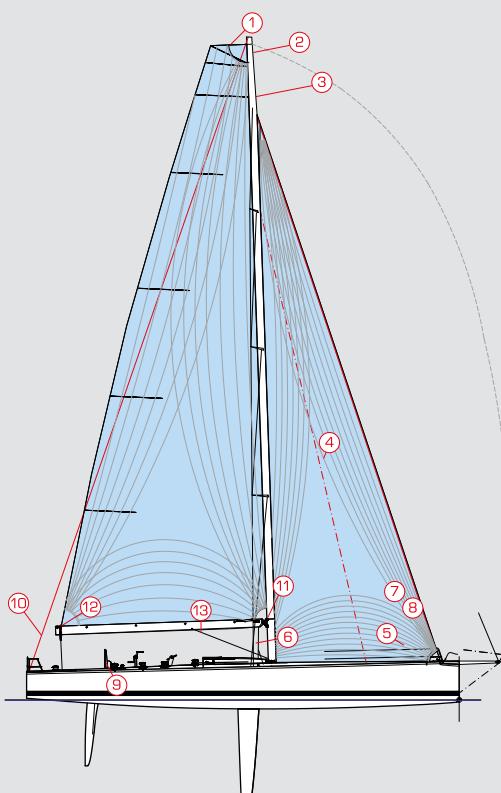
	page
1. Main halyard	
LIROS Regatta 2000	15
LIROS Dynamic	16
LIROS Herkules	18
LIROS Taper Pro	41
2. Genoa halyard	
LIROS Regatta 2000	15
LIROS Dynamic	16
3. Spinnaker halyard	
LIROS Dynamic	16
LIROS Herkules	18
LIROS Magic Pro	35
4. Boom topping lift	
LIROS Herkules	18
LIROS Top Cruising	20
LIROS Magic Sport	37
5. Pole topping lift (not shown)	
LIROS Herkules	18
LIROS Top Cruising	20
6. Pole downhaul (not shown)	
LIROS Dynamic	16
LIROS Herkules	18
LIROS Top Cruising	20
7. Genoa sheet	
LIROS Herkules	18
LIROS Top Grip	19
LIROS Top Cruising	20
LIROS Seastar	21
LIROS Magic Sport	37
8. Main sheet	
LIROS Magic Speed	17
LIROS Top Grip	19
LIROS Top Cruising	20
LIROS Seastar	21
LIROS Magic Sheet	38
LIROS Magic Sport	37
9. Boomvang	
LIROS Herkules	18
LIROS Top Cruising	20
LIROS Magic Sheet	38
10. Spinnaker sheet (not shown)	
LIROS Magic Speed	17
LIROS Top Grip	19
LIROS Top Cruising Color	20
LIROS Allround	21
LIROS Seastar	21
LIROS Magic Sheet	38
LIROS Magic Sport	37
11. Backstay/running backstay	
LIROS Dynamic	16
LIROS Herkules	18
LIROS Magic Sheet	38
12. Cunningham	
LIROS Top Cruising Color	20
LIROS Top Cruising	20
LIROS Magic Sport	37
13. Outhaul	
LIROS Herkules	18
LIROS Top Cruising	20

LIROS

usage recommendations



Cruising boat

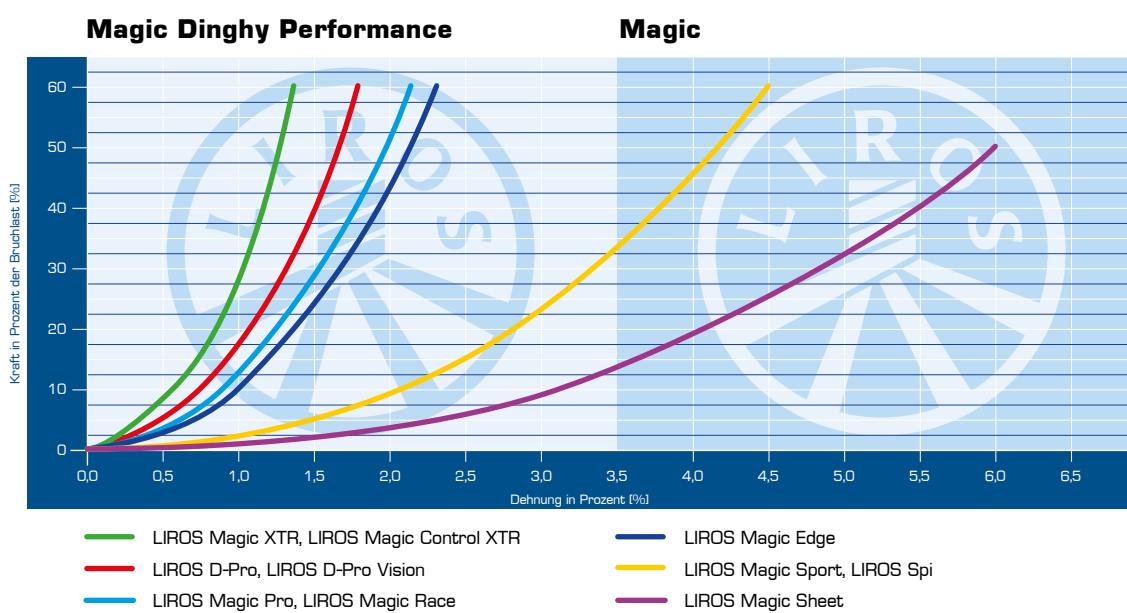
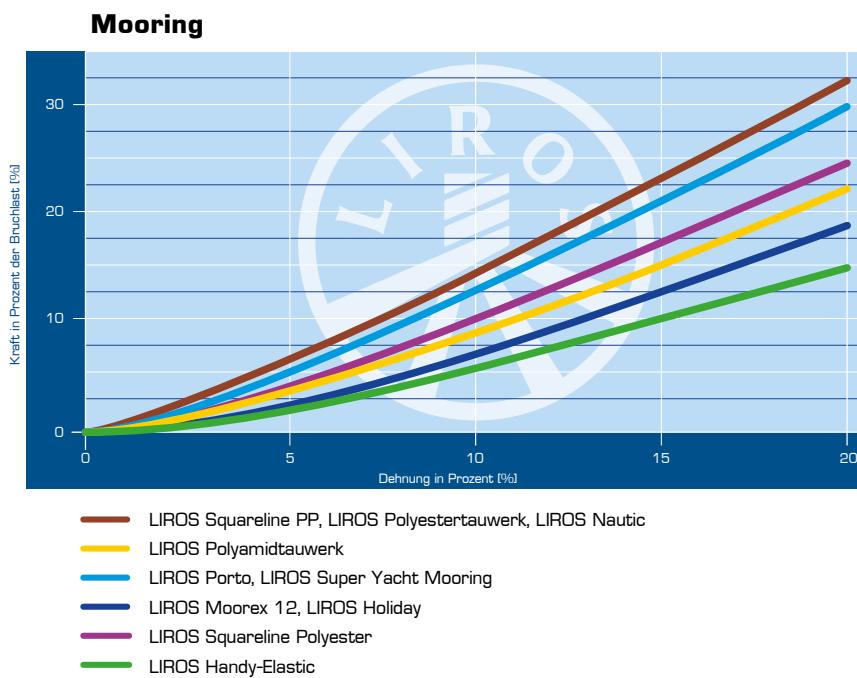
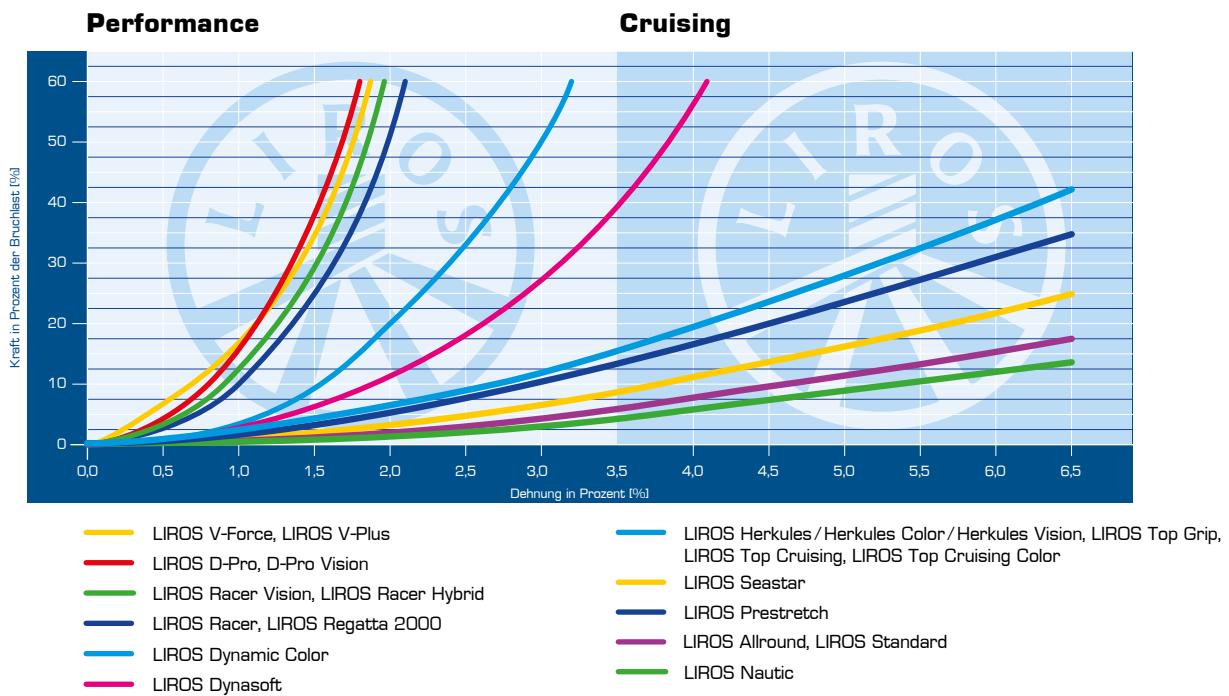


Racing boat

Our recommendations for LIROS items reflect our many years' experience racing and cruising.

REGATTA

	page
1. Main halyard	
LIROS Racer-XTR	10
LIROS Racer Hybrid	13
LIROS Racer Vision	13
LIROS Racer	14
LIROS Regatta 2000	15
LIROS Control XTR	09
2. Genoa halyard	
LIROS Racer-XTR	10
LIROS Racer Hybrid	13
LIROS Racer Vision	13
LIROS Racer	14
LIROS V-Force	14
LIROS Regatta 2000	15
3. Spinnaker halyard	
LIROS Racer-XTR	10
LIROS Racer Hybrid	13
LIROS Racer	14
LIROS Dynamic	16
4. Pole topping lift	
LIROS Racer-XTR	10
LIROS Racer Hybrid	13
LIROS V-Force	14
LIROS Dynamic	16
LIROS Regatta 2000	15
5. Pole downhaul	
LIROS Racer-XTR	10
LIROS Racer Hybrid	13
LIROS Racer	14
6. Genoa sheet	
LIROS Racer-XTR	10
LIROS Racer Hybrid	13
LIROS Racer	14
LIROS Regatta 2000	15
7. Spinnaker sheet	
LIROS Racer	14
LIROS Dynamic	16
LIROS Control-XTR	09
LIROS Magic Edge	35
LIROS Dynasoft	36
8. Guy	
LIROS Racer Vision	13
LIROS V-Force	14
9. Main sheet	
LIROS Racer	14
LIROS Dynamic	16
LIROS Magic Pro	35
LIROS Dynasoft	36
10. Backstay/running backstay	
LIROS V-Force	14
LIROS Regatta 2000	15
LIROS D-Pro-XTR	10
LIROS D-Pro Static	11
11. Cunningham	
LIROS Racer	14
LIROS Regatta 2000	15
LIROS D-Pro	17
12. Outhaul	
LIROS V-Force	14
LIROS Regatta 2000	15
LIROS D-Pro	17
LIROS Magic Edge	35
13. Boomvang	
LIROS Racer	14
LIROS Dynamic	16
LIROS D-Pro	17
LIROS V-Plus-XTR	11
LIROS Magic Pro	35
14. Boom topping lift (not shown)	
LIROS Dynamic	16

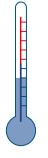
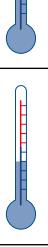




Comparing summary of synthetic fibres

Material							
	Polyamid (PA) 6 and 6,6	Polyester (PES)	Polypropylene (PP) multifilament high-strength	Polyethylene high-strength (HMPE)	Aramid	LCP	PBO
Brand	Perlon Nylon			Dyneema® Spectra®	Twaron® Kevlar® Technora®	Vectran®	Zylon®
Yarn strength							
cN/dtex	7 – 8	7 – 9	6 – 7	28 – 40	20 – 25	22 – 25	ca. 37
Specific weight							
kg/dm³	1,14	1,38	0,91	0,96	1,44	1,41	1,52
Strength loss due to humidity							
%	5 – 10	0	0	0	0	0	0
Water absorption							
%	1 – 7	0,5 – 2	0	0	2 – 5	1	0,6
Knot tenacity (residual value breaking strength)							
%	60 – 65	55 – 60	55 – 65	35 – 50	30 – 40	30 – 35	35 – 55
Light resistance							
	good	very good	adequate	very good	poor	adequate	poor
Breaking stretch							
%	16 – 27	10 – 16	12 – 20	2 – 3	2 – 4	2 – 3	2,5
Abrasion resistance	very good	very good	fair	very good	adequate	very good	adequate

Reaction of synthetic ropes under different conditions

Material							
	Polyamid (PA) 6 / 6,6	Polyester (PES)	Polypropylene (PP)	Polyethylene (PE, (HMPE)	Aramid	LCP	PBO
Brand	Perlon Nylon			Dyneema® Spectra®	Twaron® Kevlar® Technora®	Vectran®	Zylon®
							
Washing temp. °C	40	40	30	30	60	60	60
							
Acids (50% concentr.) 25°C / 100°C Rest %	17 / 5-10	80 / 0	no reaction	no reaction	good resistance	very good resistance	good resistance
							
Gasoline	no reaction	no reaction	no reaction	no reaction	no reaction	no reaction	no reaction
							
Diesel and Oil	no reaction	no reaction	no reaction	no reaction	no reaction	no reaction	no reaction
							
Solvents	minimal reaction	minimal reaction	minimal reaction	minimal reaction	minimal reaction	minimal reaction	minimal reaction
							
Alkalien (Leaches)	resistant against weak alkalis	resistant against weak alkalis at 20°C	resistant against weak alkalis	resistant	resistant against weak alkalis	resistant	resistant
	good (when dry)	excellent	excellent	excellent	good (when dry)	excellent	excellent
	130	170	80	70	400	200	550
Range Exposure approx. °C	170	225	140	120	—	—	—
	215	260	170	150	chars at approx. 500 °C	330	chars at approx. 650 °C



LIROS GmbH

Sieggrubenstraße 7

D-95180 Berg

Tel.: +49 (0) 92 93 / 80 02 0

www.liros.com · info@liros.com

