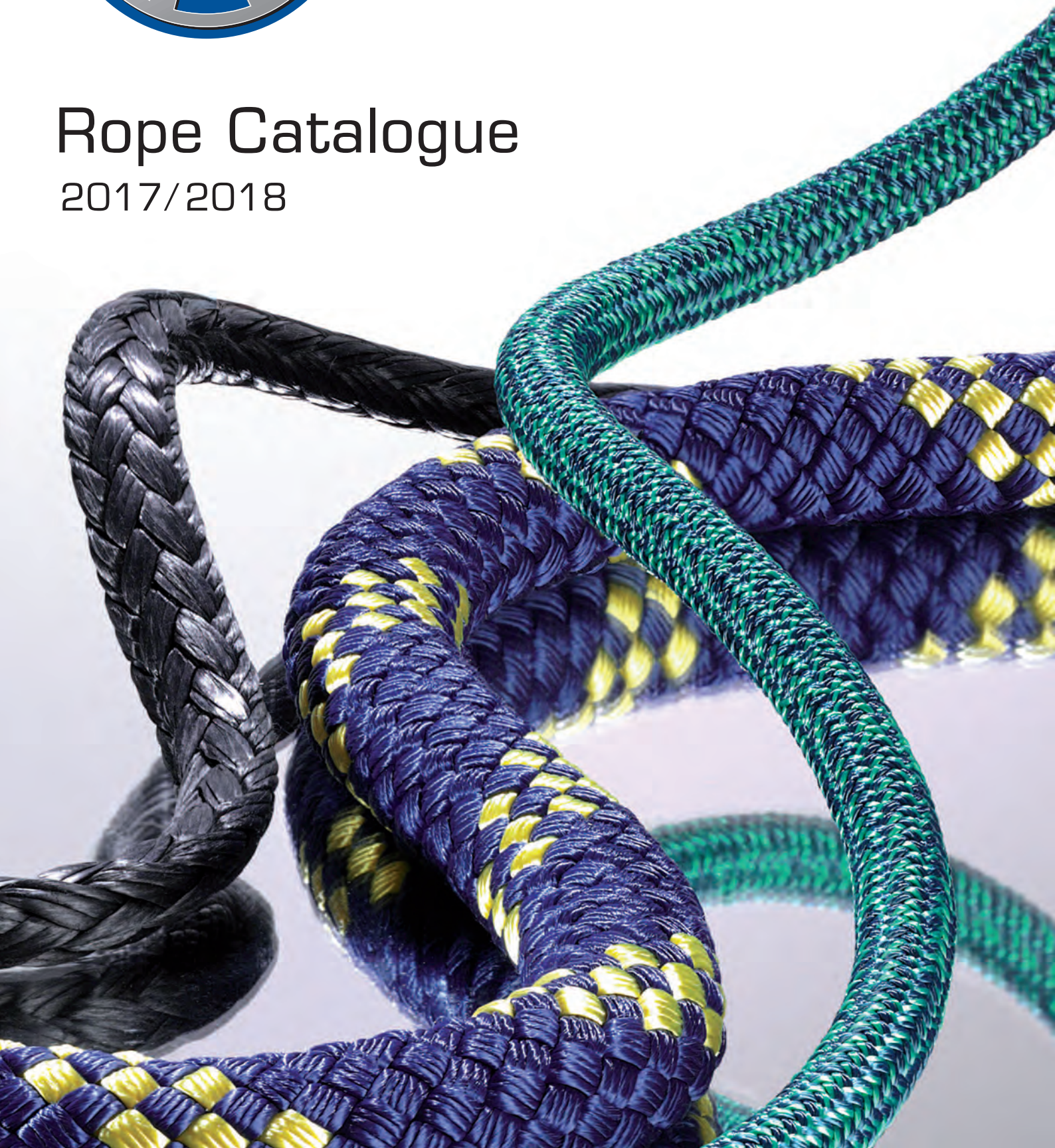




Unlimited Rope Solutions

Rope Catalogue

2017/2018





LIROS Unlimited Rope Solutions

LIROS is now recognized as a world leader in the manufacture of Hi-Tec yachting ropes, kitesurf cords, paragliding lines and a wide range of industrial cordage. LIROS continue to manufacture in Germany in order that we can control every part of the production from start to finish.

All of the LIROS production is carefully monitored by experienced technicians during every stage of manufacture to ensure complete satisfaction in the most demanding applications. The unique and new process to 'LIROS LCS' (LIROS Coating System) has enabled us to improve the performance of the latest materials (PBO, Vectran® & Dyneema®) by thoroughly protecting them against the worst effects of abrasion as well as UV degradation.

We welcome all enquiries for our products as well as any individual requirements for custom projects. Do not hesitate to contact us.

Sven Rosenberger Karl Friedrich Rosenberger

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

Production 100 % Made in Germany.



Content

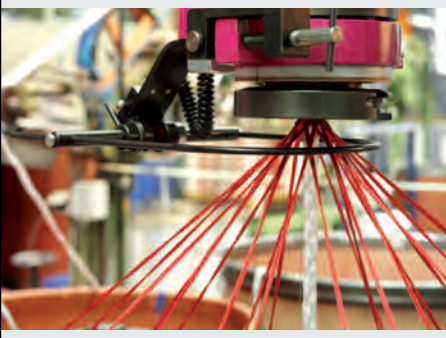
Yacht Rope		Climbing	58
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LIROS – YOUR EXCELLENT PARTNER



Production
Rope-finishing expertise
Made in Germany



Latest technology
State-of-the-art technology is essential for producing premium products



Laboratory
Technical development of unique rope solutions



Testing
Continuous quality control



Warehousing
Computer-based inventory systems allow for fastest deliveries



Splicing Department
Customized solutions for all kind of rope applications.

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%

LIROS DRS

●●●●● Dry Rope System

LIROS DRS is the durable water-repellent coating for technical ropes.

LIROS line optimization systems



LIROS is there for you!

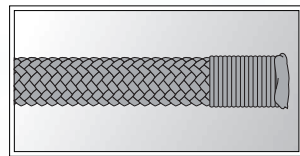
Quality Made in Germany

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.

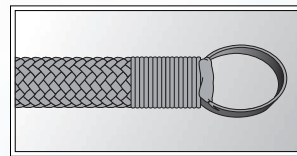


Unlimited Rope Solutions

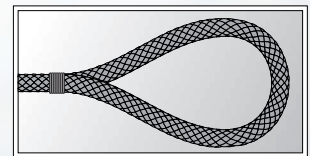
Individual Terminations



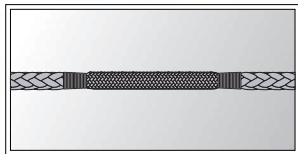
Whipping



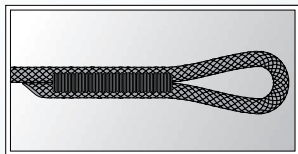
Pilot eye



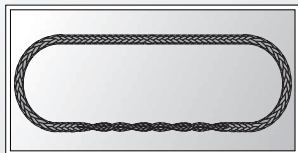
Eye splice



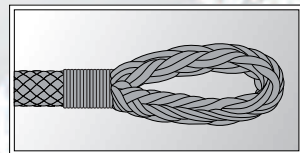
Protective cover



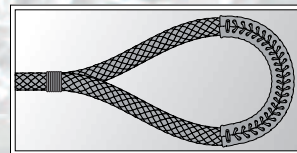
Sewn eye splice



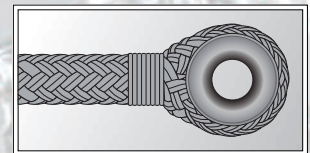
Continuous splice



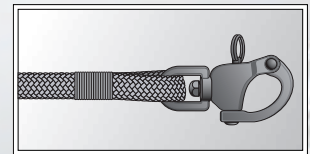
Stripped eye splice



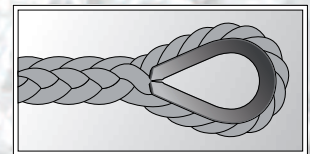
Leather



Friction Ring



Shackle



Thimble

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.

To learn more about the qualifications of our skilled ropemakers, visit our website at:
<http://www.liros.com/en/service-navigation/career.html>

LIROS CUSTOMER SERVICE TEAM

Available daily 7:30am to 5:00pm
+49 (0) 92 93 8002-0 or info@liros.com



LIROS Runner PBO-XTR

05008

LIROS Runner PBO-XTR is the rope with ultimate cover for extreme abrasion resistance and high temperature conditions.

- grip factor 5 (Page 11)
- XTReMe abrasion resistance
- XTReMe heat resistance, up to 650°C
- melt resistant cover
- excellent power transference through LIROS Grip Coating
- XTReMe low stretch

Cover

100 % Zylon®

Construction

32-plaited

Core

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

Colour



122 Copper

mm	Weight g/m	Weight Cover g/m	Weight Core g/m	Stretch %	Breaking strength kg
8	52	29	23	< 1,0	6250
10	74	42	32	< 1,0	8000
12	87	40	47	< 1,0	11200
14	141	70	71	< 1,0	14100

ZYLON



LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System



LIROS Runner Vectran®-XTR

04008

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

- grip factor 8 (Page 11)
- XTReMe abrasion resistance at high temperatures up to 300°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

Colour



705 Beige NF

Ø mm	Weight g/m	Weight Cover g/m	Weight Core g/m	Stretch %	Breaking strength kg
6	31	16	15	< 1,0	2800
8	53	29	24	< 1,0	6250
10	62	29	33	< 1,0	8000
12	89	42	47	< 1,0	11200
14	144	71	73	< 1,0	14100
16	199	102	97	< 1,0	17500

Vectran™



LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System



LIROS Control-XTR

02224

LIROS Control-XTR is optimised for grip, combined with high abrasion and temperature resistance.

- grip factor 10 (Page 11)
- maximum grip under extreme winch and stopper conditions
- perfect release with compact cover construction
- excellent abrasion resistance at high temperatures
- superior cover-core power transference
- low stretch



Cover

50 % Technora®
50 % high-tenacity Polyester

Construction

32-plaited

Core

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

Colours



239 White-Black



178 Red-Black



090 Green-Black



019 Blue-Black

Ø mm	Weight g/m	Weight Cover g/m	Weight Core g/m	Stretch %	Breaking strength kg
6	24	11	13	< 1,0	2800
8	44	20	24	< 1,0	6250
10	60	27	33	< 1,0	8000
12	95	48	47	< 1,0	11200
14	131	60	71	< 1,0	14100
16	167	72	95	< 1,0	17500
18	211	109	102	< 1,0	20400
20	234	111	123	< 1,0	23500
22	270	135	135	< 1,0	27600
24	320	160	160	< 1,0	31500



LIROS D-Pro-XTR

01514

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

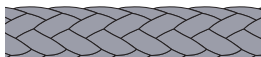
- extremely high breaking load
- grip factor 3 (Page 11)
- extremely low stretch
- very light weight
- easy to splice
- no water absorption
- easy to cover with Protect-XTR (see page 10)
- ideal for heavy terminals when tailored

Ø mm	Weight g/m	Stretch %	Breaking strength kg
3	5	< 1,0	1150
4	7	< 1,0	1500
5	13	< 1,0	3200
6	23	< 1,0	5600
8	35	< 1,0	7000
10	60	< 1,0	11000
12	72	< 1,0	15000
14	95	< 1,0	17000
16	131	< 1,0	22400

Material LIROS Dyneema® SK99

Construction 12-plaited

Colour



205 Silver





LIROS D-Pro Static 01504

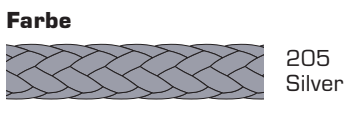
LIROS D-Pro Static is the only Dyneema® product with no creep. Ideal for any application where dimensional stability is critical (outhaul, backstay, dinghy shrouds). Also suited for static lines in industrial or other water sport applications.

- 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



Ø mm	Weight g/m	Stretch %	Breaking strength kg
3	5	< 1,0	900
4	7	< 1,0	1230
5	13	< 1,0	2450
6	23	< 1,0	4050
8	35	< 1,0	5000
10	60	< 1,0	8500
12	72	< 1,0	11300

Material LIROS Dyneema® DM20
Construction 12-plaited



LIROS V-Plus-XTR 04007

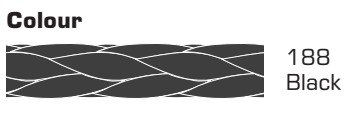
V-Plus-XTR is 12-plaited, hollow braided Vectran® with high tech XTR Coating. Perfect as a wire replacement or an alternative to hard shackles. An ideal line for applications that require the lowest stretch without creep. Vectran® delivers extreme precision.

- grip factor 7 (Page 11)
- no creep
- high-tech XTR coating
- easy to splice
- easy to cover with Protect-XTR (see page 10)



Ø mm	Weight g/m	Stretch %	Breaking strength kg
2	3	< 0,8	400
3	7	< 0,8	1100
4	10	< 0,8	1500
5	22	< 0,8	3000
6	32	< 0,8	5000
8	48	< 0,8	6800

Material 100 % Vectran® with LCS Coating
Construction 12-plaited





LIROS V-Plus Zero

00099-0370

LIROS V-Plus Zero with 100 % Dyneema® cover is the perfect forestay material, with complete splicing service from LIROS. Specially developed as a replacement for wire forestays with wheel or ratchet adjusters. Simplifies installation and setup for attachable light-weather genoa stay or storm jib babystay.

- grip factor 3 (Page 11)
- Dyneema® for lowest friction
- excellent handling
- low weight
- new LCS coating
- no creep

Cover
Dyneema® SK78

Construction
32-plaited

Core
100 % Vectran® with LCS Coating

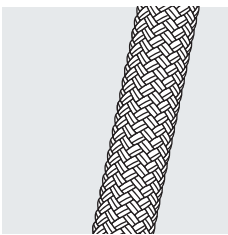
Colour
 228
White



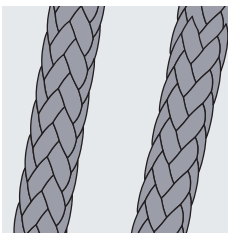
Vectran™

LIROS LCS
LIROS Coating System

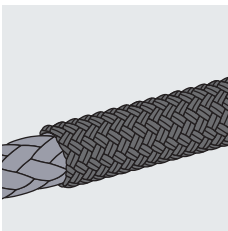
Ø mm	Weight g/m	Weight Cover	Weight Core	Stretch %	Breaking strength kg	Length of spool m
10	78	30	48	< 0,8	7000	individual



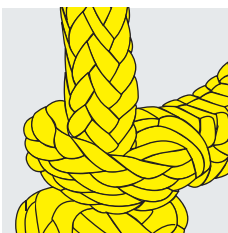
00099-0370 - LIROS V-Plus Zero



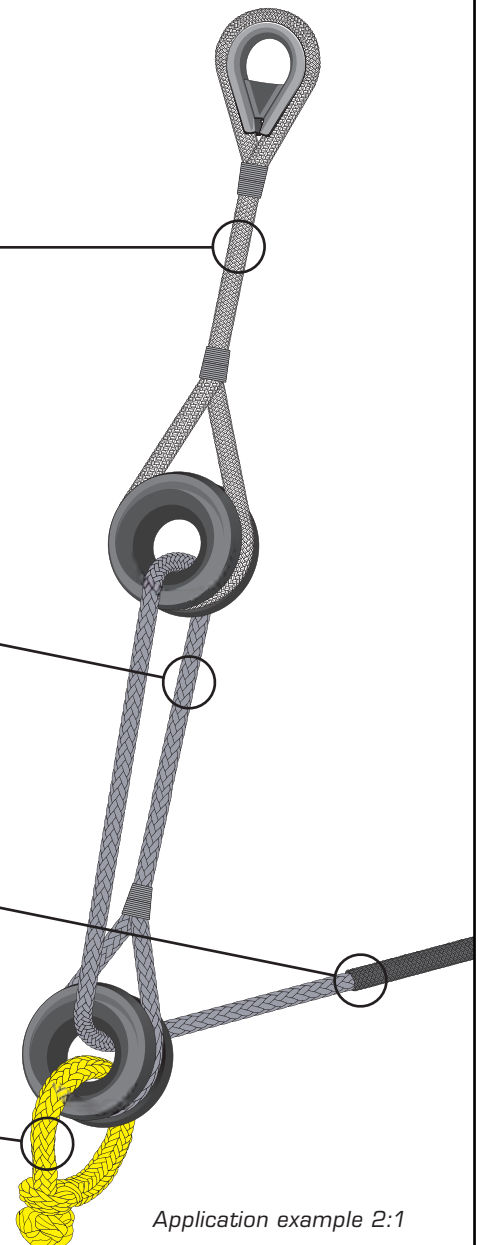
01505 - LIROS D-Pro
Page 16



04500 - LIROS Grip Protect-XTR
Page 10



00146 - Soft Shackle
Page 37



Application example 2:1



LIROS Slide Protect-XTR

10148

Material

Dyneema® SK78 with XTR-Coating

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 11)
- very easy to splice

Colour



205 Silver



Ref.	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	8-14	48-plaited	2500	25
10148-1624	19 x 3,7	1,9	10 - 24	48-plaited	5500	25



LIROS Grip Protect-XTR

04500

Material

Technora® dope dyed black

LIROS Grip Protect-XTR covers lines and provides optimal abrasion protection. The high-grip surface of this cover delivers the best in power transference inside a halyard stopper or jammer and is the perfect solution to avoid stopper slippage.

- grip factor 10 (Page 11)
- very easy to splice
- high cut resistance
- very high heat resistance up to 400°C

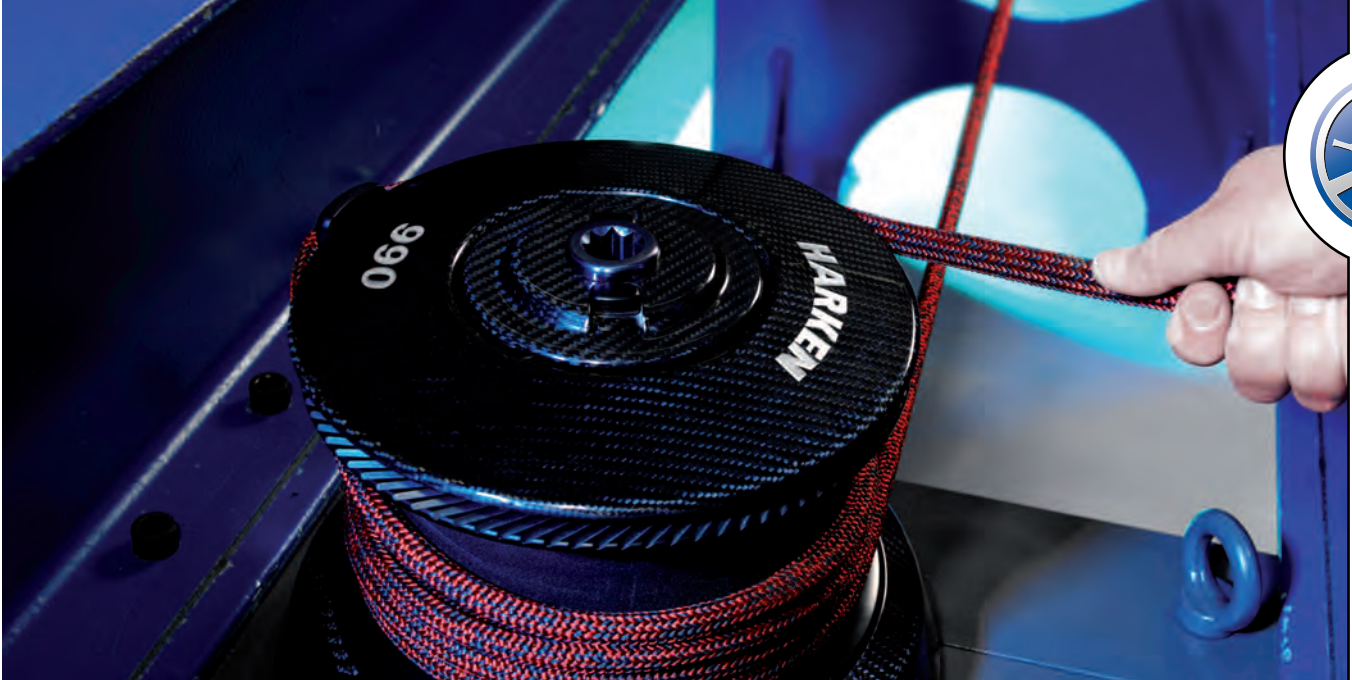
Farbe



188 Black



Ref.	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	8-14	48-plaited	1800	25
04500-1624	23 x 3,2	1,6	12 - 22	48-plaited	3200	25



LIROS XTReMe Technology

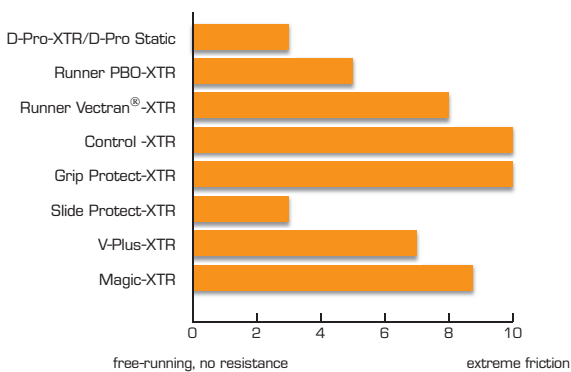
Optimized construction with the best in core-cover coordination for grip, abrasion resistance, stretch, and breaking load. Improved braiding with ideal core-cover interaction for optimal grip, high abrasion resistance, minimal stretch, as well as extreme breaking loads.

1. Grip Factor

LIROS has developed a premium range of yachting ropes which highlight a broad set of winch-hold and stopper-grip characteristics.

Extensive performance testing in the LIROS labs and feedback from the world's top sailors have yielded real-world results that professional sailors can rely on in their choice of lines. The LIROS Grip Factor provides one of the most important selection criteria for professional sailors and riggers to help select the perfect line for the grip conditions in question. Other critical decision factors such as breaking load and working stretch guarantee top performance out on the water.

Grip Factor is expected to improve during use.



2. Abrasion Resistance

The entire XTR line offers exceptional abrasion resistance. Even under extreme conditions, such as quick bear-away under heavy load, LIROS Runner PBO-XTR, LIROS Runner Vectran®-XTR and LIROS Control-XTR provide exceptional durability. LIROS Runner Vectran-XTR prevents cover degradation below 300°C and LIROS-Runner PBO-XTR below 500°C.

3. Weight

Weight must be considered when selecting a family of lines. LIROS XTReMe offers the best in abrasion resistance and breaking loads with the least weight, through the LIROS Coating System (LCS) and through the LIROS Heat Stretch System (HSS) core treatment, in addition to specially twisted/laminated outer cover.

LCS also reduces water absorbency by up to 33 %.

4. Stretch

More and more the choice of lines today depends on these factors: grip, abrasion resistance, weight and stretch. Professionally spliced lines should lose no more than 10 % of their strength.



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

Colours

	419 Beige-Orange
	420 Beige-White
	421 Beige-Yellow
	422 Beige-Burgundy
	263 Beige-Steel blue



Vectran™

LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System

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 % Hybrid fibres 50 % Polyester
Construction	32-plaited
Core	Coloured Dyneema® SK78 with XTR-Grip-Coating silver 12-plaited

NEW







LIROS Racer-Hybrid

02026

LIROS Racer-Hybrid offers an exceptional combination of heat-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.

- 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

Colours

	419 Beige-Orange		422 Beige-Burgundy
	263 Beige-Steelblue		262 Beige-Silver



Vectran™

LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
8	4200	53	200
10	5500	65	200
12	8000	93	200
14	10500	121	150

Cover	50 % Vectran® 50 % Polyester
Construction	8 mm 24-plaited from 10 mm 32-plaited
Core	Dyneema® with XTR-Grip-Coating silver



NEW





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 and sheets
- highly suitable for winch uses
- LIROS-Heat-Stretch-System
- easy to splice

Colours

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

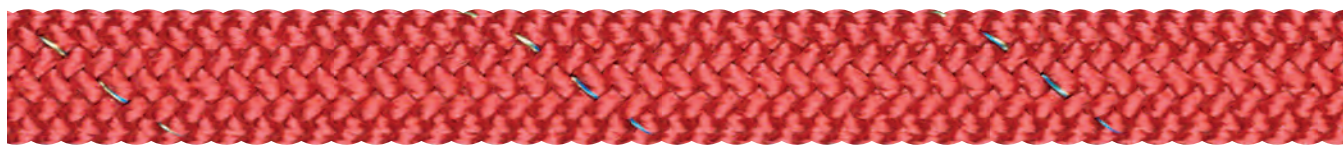
Ø mm	Breaking strength kg	Weight g/m	Length of spool m
8	4200	53	200
10	5500	75	200
12	8000	96	200
14	10500	127	150

Cover high twisted Polyester
Construction 8 mm 24-plaited
 from 10 mm 32-plaited
Core Dyneema® with XTR-Grip-Coating silver



LIROS HSS
Heat Stretch System

LIROS LCS
LIROS 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 nonkinking
- for halyards and sheets
- very good winch suitability
- LIROS-Heat-Stretch-System













LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating 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
18	15300	179	100
20	18500	237	100
22	20000	285	100

Colours

	171 Red		010 Blue
	032 Burgundy		130 Navy
	150 Orange		542 White NF
	086 Green		529 Silver NF
	705 Beige NF		525 Black NF

Cover Polyester high-twisted
Construction 6-8 mm 24-plaited
 10 mm and up 32-plaited
Core Coated Dyneema® SK78 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, and 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



LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating 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		353 Steel Blue-Green
	212 Steel Blue-Blue		213 Steel Blue-White
	352 Steel Blue-Yellow		228 White
			525 Black NF

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
2	270	3	250
2,5	390	5	250
3	550	7	250
4	800	11	250
5	1100	15	250
6	2500	25	200
8	3800	42	200
10	5000	61	200
12	7200	88	200
14	9500	132	150
16	12800	150	100
18	15300	180	100
20	18500	236	100
22	20000	282	100
24	23000	321	100



LIROS Dynamic plus

02004

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

- working stretch < 2 %
- low-stretch, abrasion resistant halyard for competitive Cruising sailors
- kink-free, low-stretch sheets for cruiser-racers
- easy to splice
- LIROS-Heat-Stretch-System



LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System

Colours

	236 White-Red
	229 White-Blue
	231 White-Yellow
	232 White-Green

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
3	500	7	250
4	710	11	250
5	870	17	250
6	1200	21	200
8	2300	38	200
10	3100	69	200
12	4800	89	200
14	6500	119	150

Cover Polyester high-twisted
Construction 3-8 mm 24-plaited
 10-14 mm 32-plaited
Core Coated Dyneema®, 6 mm and up with additional cover plait



LIROS V-Force

04000

New advanced technology line 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
- long-lasting, abrasion resistant
- best stopper durability
- no creep

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
3	500	7	250
4	750	13	250
5	950	17	250
6	1400	24	200
8	2800	56	200
10	3700	80	200
12	5300	105	200

Cover Polyester
Construction 3–5 mm 16-plaited
 6–8 mm 24-plaited
 10 mm and up 32-plaited
Core Vectran® with additional braiding above 8 mm

Vectran™
 LIROS LCS
 LIROS Coating System

Colours



LIROS Super Classic

01570

Super sheet conceived especially for classic yachts and Cruising boats. LIROS developed this especially low-stretch and easy-handling sheet with excellent winch suitability and superior handling in mind, rather than overall breaking strength.

- working stretch < 3 %
- lightweight and stretch-resistant
- extremely pliable and compact
- ideal for winches
- highest abrasion resistance
- very durable

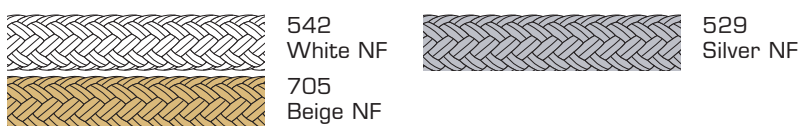


LIROS HSS
 Heat Stretch System
LIROS LCS
 LIROS Coating System

Ø mm	Breaking strength kg	Length of spool m
12	3500	200
14	4500	150
16	5000	100
18	6300	100
20	7000	100

Cover Polyester
Construction 24-plaited
Core Dyneema®/Polypropylene braid

Colours





LIROS D-Pro

01505

LIROS Heat-Stretch-System guarantees the optimal breaking load 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 - even in stoppers when used with the LIROS Protect-XTR cover. 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, can also be employed with separate cover
- highly UV stable and chafe resistant
- LIROS Heat-Stretch-System


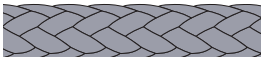







LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

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

Material Coated Dyneema® SK78
Construction 12-plaited, heat-set and coated

Farben

	171 Red		205 Silver		188 Black (1 and 1,5 mm)
	010 Blue		228 White		674 Deep Black (2 mm up)
	059 Yellow				







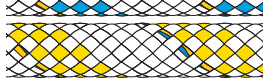
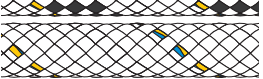
LIROS Herkules

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.

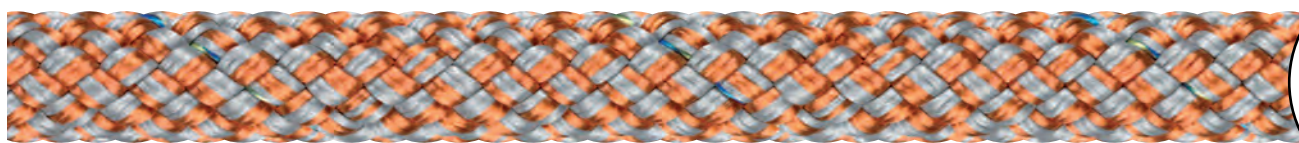
- working stretch < 5 %
- very high quality line for the demanding Cruising yacht
- very broad range of uses: sheet, halyard or control line
- easy to splice and absolutely non-kinking
- extremely durable, even under hard winching conditions

Colours

	236 White-Red		232 White-Green
	229 White-Blue		239 White-Black
	231 White-Yellow		228 White

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
20	7000	100
22	8000	100
24	9000	100

Cover high-strength Polyester **Construction** 1:1 plaited **Core** high-tenacity braided Polyester



LIROS Herkules Vision

01552

Fresh colours combined with our premium 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

Cover

high-tenacity, spun-dyed Polyester

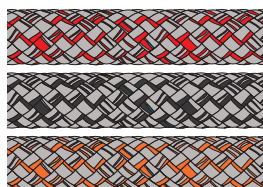
Construction

1:1 plaited

Core

high-tenacity braided Polyester

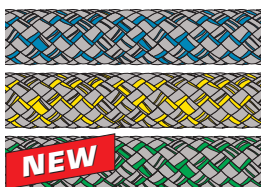
Colours



386
Grey-Red

083
Grey-Black

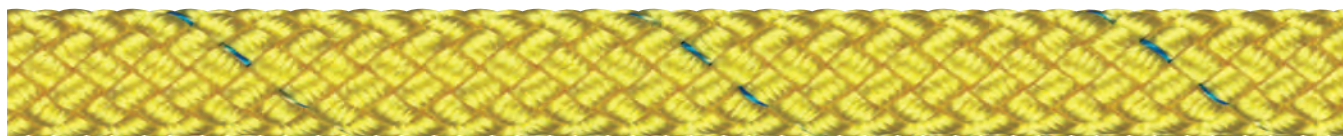
555
Grey-Orange



076
Grey-Blue

080
Grey-Yellow

081
Grey-Green



LIROS Herkules Colour

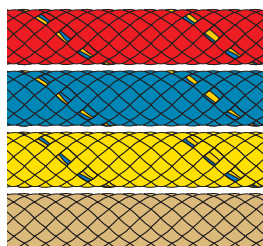
01550

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

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
20	7000	100
22	8000	100
24	9000	100

Colours

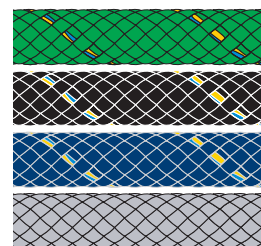


171
Red

010
Blue

059
Yellow

705
Beige NF



086
Green

188
Black

130
Navy

529
Silver NF

Cover high-tenacity, spun-dyed Polyester

Construction 1:1 plaited

Core high-tenacity braided Polyester



LIROS TopGrip

01540

The new generation of high quality Cruising sheets. LIROS TopGrip 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

Ø mm	Breaking strength kg	Length of spool m
6	800	200
8	1350	200
10	2200	200
12	3000	200
14	4200	150

Cover
Polyester grip fibre and high-tenacity, spun-dyed Polyester

Construction
1:1 plaited

Core
high-tenacity braided Polyester

Colours



LIROS Top-Cruising

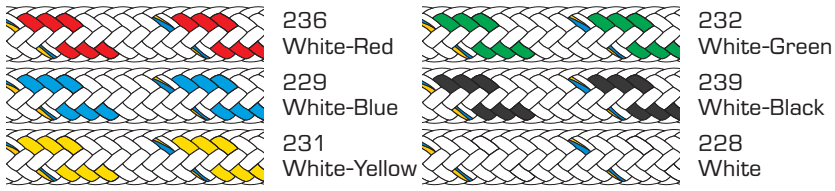
00152

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

Ø mm	Breaking strength kg	Length of spool m
4	450	250
5	780	250
6	1100	200
7	1300	200
8	1650	200
10	2700	200
12	3200	200
14	3800	150
16	5000	100
18	6500	100
20	7300	100

Colours



Cover high-tenacity Polyester
Construction Ø 4 – 8 mm 16-plaited
 10 mm and up 20-plaited
Core high-tenacity braided Polyester



LIROS Top-Cruising-Colour 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

Ø mm	Breaking strength kg	Length of spool m
6	1100	200
8	1650	200
10	2700	200
12	3200	200
14	3800	150

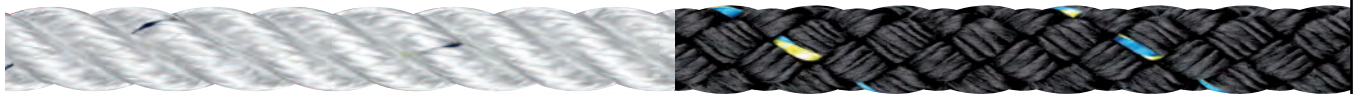
Colours

	171 Red		188 Black
	010 Blue		705 Beige NF
	059 Yellow		529 Silver NF
	086 Green		523 Navy NF

Cover
spun-dyed Polyester

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

Core
high-tenacity braided Polyester



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)

Ref.	Ø mm	Breaking strength kg	Length of spool m
00121	4	420	250
	5	600	250
	6	820	200
	8	1400	200
	10	2300	200
00122	12	2800	200
	14	4250	150
	4	420	250
	5	580	250
	6	800	200
	8	1500	200
	10	2300	200

Colour 00121

	228 White
--	--------------

Colours 00122

	171 Red
	010 Blue
	228 White
	188 Black

Construction

00121 twisted 3-strand, heat set Polyester

00122 8-plaited heat set Polyester



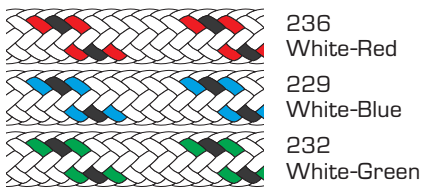
LIROS Allround

00151

Economical, all-purpose sheet for Cruising boats. 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

Colours



Cover Polyester
Construction Ø 6 – 12 mm 16-plaited
 14 mm and up 20-plaited
Core high-tenacity braided Polypropylene multifilament

Ø mm	Breaking strength kg	Length of spool m
6	800	200
8	1400	200
10	2200	200
12	2600	200
14	3300	150
16	3900	100



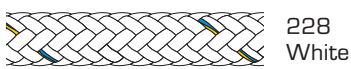
LIROS Seastar

00162

High quality, Polyester sheet for Cruising yachts, with exceptionally soft, easy to grip cover - heat set. Classic design, white with LIROS blue and gold flecks.

- working stretch < 6 %
- high quality spun fibres with soft, pliable braiding
- very good sheet for Cruising yachts up to 45 feet

Colour



Cover Polyester yarn matt
Construction 5 mm 8-plaited
 6 – 12 mm 16-plaited
 14 mm and up 24-plaited
Core high-tenacity braided Polyester

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	3500	100



LIROS Seastar Colour

00172

Easy-to-handle line in six different colours. For genoa and spinnaker sheets, outhauls, downhauls, and other control lines - heat set.

- working stretch < 6 %
- soft, easy-to-handle, braided line
- salt water- and abrasion-resistant colours
- easily distinguishable colours help differentiate lines on deck
- also available in hemp colour (see page 74)

Colours



171
Red



086
Green



010
Blue



188
Black



059
Yellow



130
Navy

Ref. 00173 (see page 74)



546
Hemp 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	3500	100
18	4500	100

Cover

coloured Polyester yarn matt

Construction

5 mm 8-plaited
 6 – 12 mm 16-plaited
 14 mm and up 24-plaited

Core

high-tenacity braided Polyester



LIROS Standard

01082

Soft, economical sheet made of easy to grip spun Polyester - heat set.

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

Colours



236
White-Red



229
White-Blue

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

Cover

matt Polyester yarn

Construction

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

Core

high-tenacity braided Polypropylene multifilament



1.0 mm –5 mm without flecks

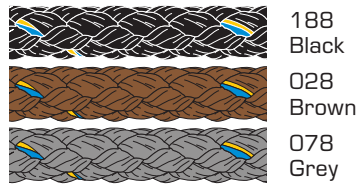
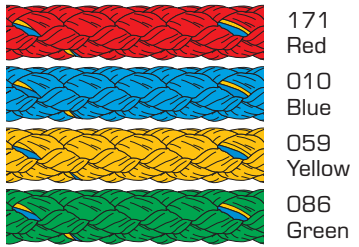
LIROS Nautic

01072

Soft, very light, and easy-to-handle spsheet 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. **1.0–5 mm without flecks.** 6–16 mm with flecks in blue/gold.

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

Colours



Ø mm	Breaking strength kg	Length of spool m
1,0	30	500
1,5	38	500
2,0	70	500
3,0	140	500
4,0	280	500
5,0	390	250
6,0	550	200
8,0	900	200
10,0	1230	200
12,0	1700	200
14,0	2000	150
16,0	3700	100

Material Polypropylene multifilament
Construction 8-plaited



LIROS Spi

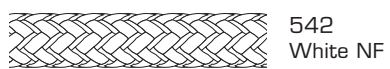
02049

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

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



Farben



Ø mm	Breaking strength kg	Length of spool m
5	650	100
6	800	100
8	1000	100
10	1900	100

Cover High-grip matt Polyester with Dyneema® SK78
Core braided Dyneema® SK78



LIROS Super Yacht Mooring 01300

LIROS Superyacht Mooring is a completely new 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



Ref.	Ø mm	Boat size* ft	Breaking strength kg	Weight g/m
01300-2400	24	70 – 90'	11500	400
01300-2800	28	up to 120'	15900	580
01300-3200	32	up to 150'	19800	740
01300-3600	36	up to 180'	26000	950
01300-4000	40	up to 200'	32800	1150
01300-4400	44	up to 220'	38500	1420
01300-4800	48	up to 250'	46000	1700
01300-5200	52	up to 280'	53500	1980

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

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

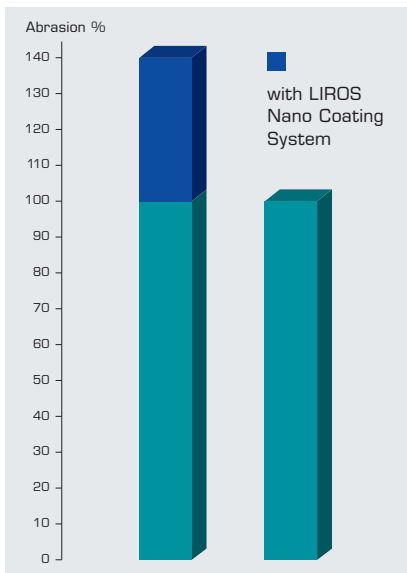
Colours



Leather chafing guard



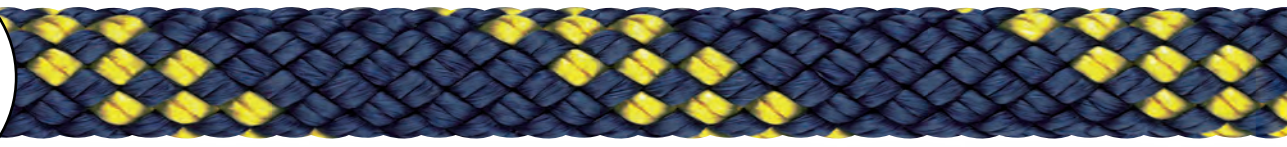
100% hand-sewn, Made in Germany



Abrasion testing in LIROS Labs



Premium whipping



LIROS Handy-Elastic

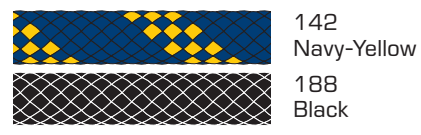
00136/00137

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
- up to 40 mm 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



00137



Cover

high-tenacity Polyamide

Construction

1:1 plaited

Core

high-elastic braided Polyamide



All mooring lines come in attractive LIROS Netbags.

LIROS Handy Elastic Mooring Line

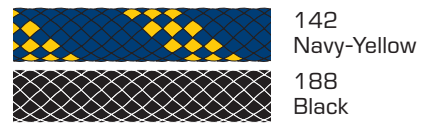
Ref.	Ø mm	Length m	Eye splice cm
00136-1006	10	6	40
00136-1010	10	10	40
00136-1015	10	15	40
00136-1206	12	6	40
00136-1210	12	10	40
00136-1215	12	15	40
00136-1406	14	6	40
00136-1410	14	10	40
00136-1415	14	15	40

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

Note:

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

Colours 00136



00137





LIROS Porto

00133

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
- very easy to handle, highly UV-stable
- high strength and excellent abrasion resistance
- will not stiffen over time

Cover

Polyester high-twisted

Construction

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

Core

high-tenacity braided Polyester

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
24	9600	100

Colours



All mooring lines come in attractive LIROS Netbags.

LIROS Porto Mooring Line pre spliced

Ref.	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

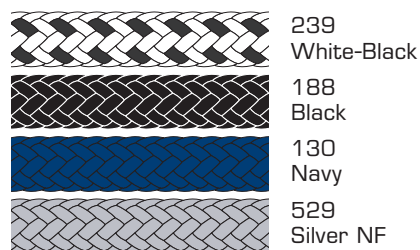
LIROS Porto Anchor Line pre spliced

Ref.	Ø mm	Length m	Eye splice cm
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

Note:

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

Colours





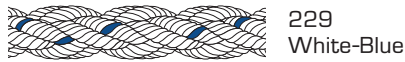
LIROS Squareline-PES

01047/01049

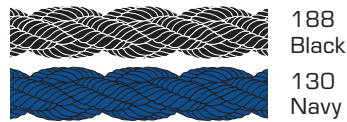
Super pliable, easy handling square-braided mooring or anchor line of 100 % high-tenacity Polyester. 100 % kink-free, easy to splice and easily joined to chain.

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

Colour 01047



Colours 01049



Material high-tenacity Polyester
Construction 8-strand 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	11600	100
26	13700	100
28	15000	100



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 %
- light and easy to handle
- floats

01078



01079



01080



Ø mm	Breaking strength kg	Length of spool m
12	2100	200
14	2700	150
16	3400	100
18	4000	100
20	5000	100

Material high-tenacity Polypropylene multifilament
Construction 8-strand octoplait



LIROS Moorex 12

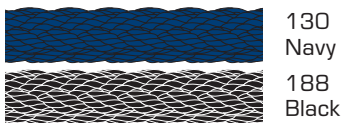
00132

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
22	8600	100

Colours



Material high-tenacity Polyester

Construction 12-plaited



All finished mooring lines come in attractive LIROS Netbags.

LIROS Moorex 12 Festmacher

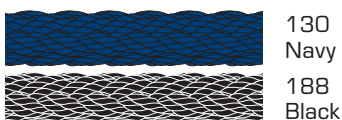
Ref.	Ø mm	Length m	Eye splice cm
00132-1006	10	6	40
00132-1010	10	10	40
00132-1015	10	15	40
00132-1206	12	6	40
00132-1210	12	10	40
00132-1215	12	15	40
00132-1406	14	6	40
00132-1410	14	10	40
00132-1415	14	15	40

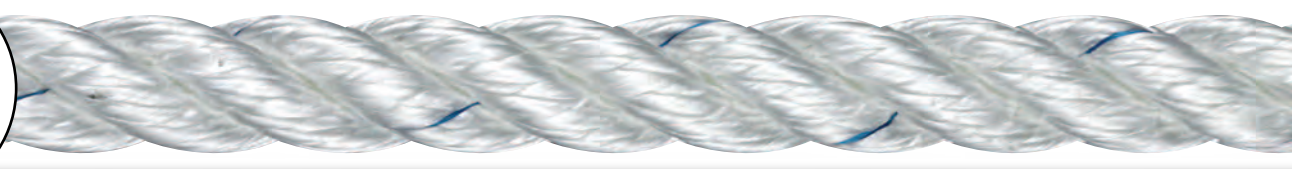
Ref.	Ø mm	Length m	Eye splice cm
00132-1606	16	6	40
00132-1610	16	10	40
00132-1615	16	15	40
00132-1806	18	6	40
00132-1810	18	10	40
00132-1815	18	15	40

Note:

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

Colours





LIROS Polyester Rope 00111/01110

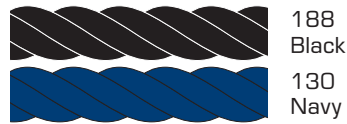
Classic, economical, very easy to splice, high strength, abrasion resistant rope for mooring and anchoring. 3-strand made of 100 % Polyester. Heat-set. According to **DIN EN ISO 1141** standards. (previously DIN EN 697, DIN 83331), heat set.

- 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



Colours 01110



Material high-tenacity Polyester

Construction 3-strand, heat-set

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



All finished mooring lines come in LIROS PE-Bags.

LIROS Polyester Rope Mooring Line

Ref.	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

LIROS Polyester Rope Anchor Line

Ref.	Ø mm	Length m	Eye splice cm
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

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

Colour 00111



Colours 01110





LIROS Nordic

01173

Traditional mooring line, popular in Scandinavia. Pliable, high-grip mooring line, easy to handle.

- working stretch > 17 %
- built for grip
- easy to splice

Ø mm	Breaking strength kg	Length of spool m
6	700	200
8	1200	200
10	1600	200
12	2300	200
14	2900	150
16	3760	100
18	4550	100

Colour



Material high tenacity Polyester and spun Polyester combination

Construction 3-strand, heat-set



All finished mooring lines come in LIROS PE-Bags.

LIROS Nordic Mooring Line

Ref.	Ø mm	Length m	Eye splice cm
01173-1006	10	6	40
01173-1010	10	10	40
01173-1015	10	15	40
01173-1206	12	6	40
01173-1210	12	10	40
01173-1215	12	15	40
01173-1406	14	6	40
01173-1410	14	10	40
01173-1415	14	15	40

Ref.	Ø mm	Length m	Eye splice cm
01173-1606	16	6	40
01173-1610	16	10	40
01173-1615	16	15	40
01173-1806	18	6	40
01173-1810	18	10	40
01173-1815	18	15	40

Note:

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

Colour





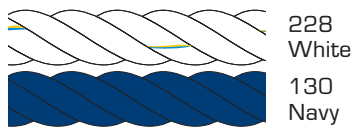
LIROS Polyamide Rope

00110

Classic rope for mooring lines or high-stretch stays. 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

Colours



Material high-tenacity 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

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)

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

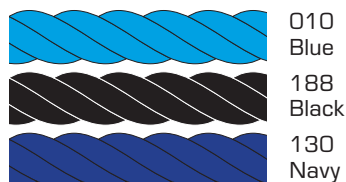
Colour 01120



Farbe 01126



Colours 01123



Ø mm	Breaking strength kg	Length of spool m
4	280	250
5	400	250
6	590	200
8	1040	200
10	1600	200
12	2200	200
14	3000	150
16	3700	100
18	4700	100
20	5700	100

Material

Spun dyed Polypropylene multifilament heat set

Construction

3-strand, heat-set

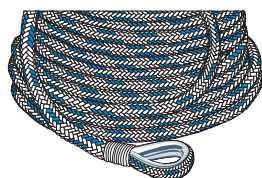


LIROS Handy-Ancor 01320

High quality anchor line with lead weight built into the last 10 meters. Can be used without chain, especially easy to handle and stow. Available in 20, 30, and 40 m 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

Ø mm	Breaking strength kg	Length m	Weight kg
10	1500	20	3,4
10	1500	30	4,2
10	1500	40	4,9
12	2200	20	4,1
12	2200	30	5,0
12	2200	40	6,3
14	3100	40	8,5
16	4000	40	10,8

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

Cover	Polyester
Construction	20-plaited
Core	Polyester, lead (10 m from S/S thimble)

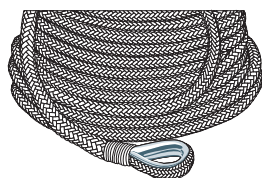


LIROS Winch-Master W1322

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

- completely with lead core
- attractive LIROS kitbag

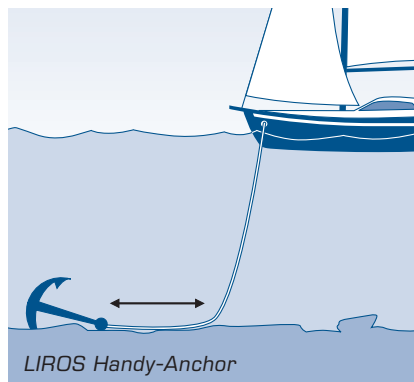
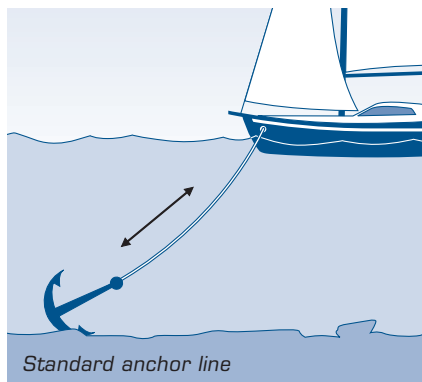
Colour



228
White

Cover	Polyester
Construction	16-plaited
Core	Polyester, lead

Ø mm	Breaking strength kg	Length m	Weight kg
12	1500	30	7,9
12	1500	40	10,5
12	1500	50	13,1
14	2200	40	11,0
14	2200	50	14,2
16	3100	40	12,9
16	3100	50	16,1





LIROS Magic-XTR

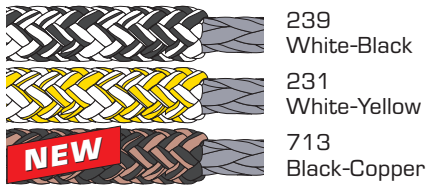
01513

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 11)
- removable cover for top performance
- superior abrasion resistance - combo-cover (twisted Technora®/Dyneema®)
- best cover-core attachment
- very low stretch, highest breaking load

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

Colours



Cover

Colour 239 + 231
Technora® / Dyneema®
Colour 713
PBO / Dyneema®

Construction

4-5 mm 16-plaited
6-8 mm 24-plaited

Core

braided, pre-stretch, carbon-coloured Dyneema® SK78



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 < 1,5 %
- new design
- coated core
- resistant and handy construction
- low elongation
- LIROS-Heat-Stretch-System

Ø mm	Breaking strength kg	Length of spool m
3	420	100
4	580	100
5	1050	100
6	1800	100

Colours



Cover

Spun dyed Polyester

Construction

1,5-5 mm 16-plaited
6 mm 1:1 plaited

Core

Dyneema® SK78 Silver





LIROS Magic Pro

01507

LIROS Magic Pro combines all of the best characteristics with extreme low stretch. The core is coated and specially treated with LIROS Heat-Stretch-System.

- working stretch < 1.5 %
- grip factor 9 (page 11)
- exacting cover construction for excellent hold in cleats and on winches
- outstanding block performance, enabling ultra-fast manoeuvres
- specialised Polyester grip fibres for optimal control in any condtions, perfect handling through manoeuvres
- LIROS Heat-Stretch-System for lowest stretch
- ideal for cover-stripping

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

Cover

Polyester grip fibres and spun-dyed Polyester

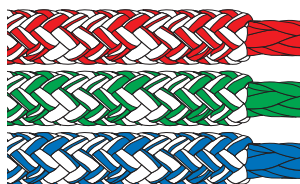
Construction

4–8 mm 16-plaited

Core

coloured Dyneema® SK78 with LIROS XTR Grip Coating

Colours



236
White-Red

232
White-Green

229
White-Blue



501
White-Neon Yellow

239
White-Black



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

Cover

special high-twisted Polyester

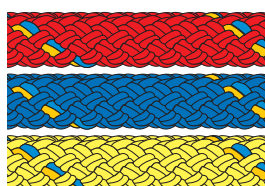
Construction

2–3 mm 16-plaited
ab 4 mm 1:1 plaited

Core

coated Dyneema® SK78

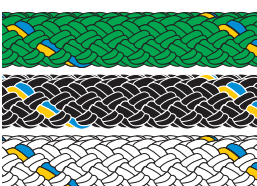
Colours



171
Red

010
Blue

123
Neon Yellow



086
Green

188
Black

228
White





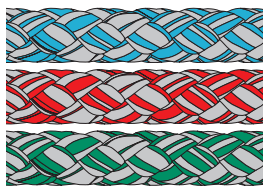
LIROS DynaSoft

02055

LIROS DynaSoft combines the best grip, the lightest weight, and the lowest stretch. Combination braid of high-strength Polyester grip fibres and Dyneema®. Ideal for dinghy sheets and regatta halyard leads.

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

Colours



- 504 Grey-Turquoise
- 386 Grey-Red
- 081 Grey-Green

Ø mm	Breaking strength kg	Length of spool m
4	500	100
5	850	100
6	1200	100
8	2000	100
10	2700	100

Material

Ideal hybrid of Dyneema® SK78 and Polyester grip fibres

Construction

8-plaited with core



LIROS Magic Vision

01516

Perfect all-purpose line for any dinghy or smaller sportboat. Durable Polyester in a modern design - multi-use rope, perfect for dinghy trim and control lines.

- working stretch < 4 %
- low-stretch Polyester sheet for boats under 28 ft.
- very durable
- heat-set

Colours



- 236 White-Red
- 232 White-Green



- 239 White-Black
- 229 White-Blue

Material high-tenacity Polyester

Construction 8-plaited heat-set Polyester

Ø mm	Breaking strength kg	Length of spool m
4	420	100
5	580	100
6	800	100
8	1500	100
10	2300	100





LIROS Magic Sheet

01506

LIROS Magic Sheet has been specially developed for use as main and jib sheets on dinghies, sports boats, and catamarans.

- working stretch < 8 %
- great in turning blocks, fastest manoeuvres
- Polyester grip fibres provide best cover-core attachment and perfect grip for optimal control in any situation
- very compact non splice construction

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

Cover

Polyester grip fibres and spun-dyed Polyester

Construction

16-plaited

Core

high-tenacity braided Polypropylene

Colours



405 White-Navy

404 White-Silver



406 White-Orange

428 White-Pink



LIROS Magic Speed

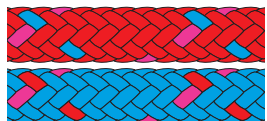
01501

Premium multi-purpose technical line for dinghies and small keelboats, with attractive design. Highly abrasion resistant in cleats. Heat-set Polyester core for low stretch.

- working stretch < 5 %
- very durable
- low stretch

Ø mm	Breaking strength kg	Length of spool m
2	95	100
3	185	100
4	320	100
5	680	100
6	940	100

Colours



412 Red-Pink-Blue

479 Blue-Pink-Red



414 Neon Yellow-Pink-Blue

408 Black-Neon Yellow-Blue

Cover Polyester

Construction 2-5 mm 16-plaited
6 mm 1:1 plaited

Core Polyester



LIROS Dyneema® Custom Spisheet 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

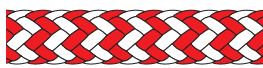
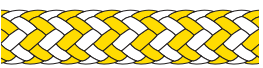

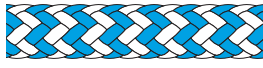
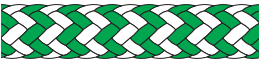

Cover
 thick end - high-grip matt Polyester with Dyneema® SK78
 tapered end - 100 % Dyneema® SK78

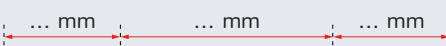
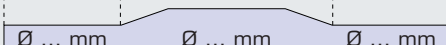

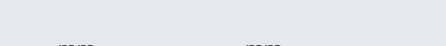
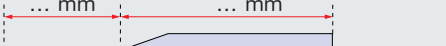
Core
 braided Dyneema® SK78

Opti-Design
 6-9-6 mm in lengths of 1,5 - 2,5 - 3 m available.
 Ref.: 02042-0100



Colours

	179 Red-White		067 Yellow-White		204 Black-White
	021 Blue-White		092 Green-White		542 White NF

Required order specifications:		Available diameter combinations:		
1. Ø thick end		5 – 3 mm	10 – 4 mm	8 – 6 mm
2. length thick end		6 – 3 mm	8 – 5 mm	9 – 6 mm
3. Ø tapered end		6 – 4 mm	9 – 5 mm	10 – 6 mm
4. length tapered end		8 – 4 mm	10 – 5 mm	12 – 6 mm
5. Colour		9 – 4 mm	12 – 5 mm	12 – 8 mm



NEW

LIROS Spi 02049


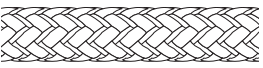

Very light, high quality, spinnaker sheet with Dyneema® SK78 core for optimal grip, low stretch and high strength. Minimal water absorption.

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



Ø mm	Breaking strength kg	Length of spool m
5	650	100
6	800	100
8	1000	100
10	1900	100

Colours

	179 Red-White		542 White NF
	092 Green-White		

Cover
 high-grip matt Polyester with Dyneema® SK78

Core
 braided Dyneema® SK78



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

Material

Polypropylene multifilament

Construction

8-plaited square braiding



Colour



130 Navy

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



LIROS Soft Shackle

Ref.	Breaking strength tons	Colour	working load tons	Approx Ø mm	Rope Ø
00146-0066	1	228 White*	0,5	6	
00146-0090	1,5	674 Deep Black	0,75	8	NEW
00146-0069	2	171 Red*	1	10	
00146-0070	4	010 Blue*	2	12	
00146-0071	6	059 Yellow*	3	14	
00146-0072	8	086 Green*	4	16	
00146-0073	10	674 Deep Black	5	18	NEW

* All sizes also available in deep black or silver.

Attention! Not certified for lifting loads and personal security.

Colours

	228 White
	171 Red
	010 Blue
	059 Yellow
	086 Green
	674 Deep Black

NEW



LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System

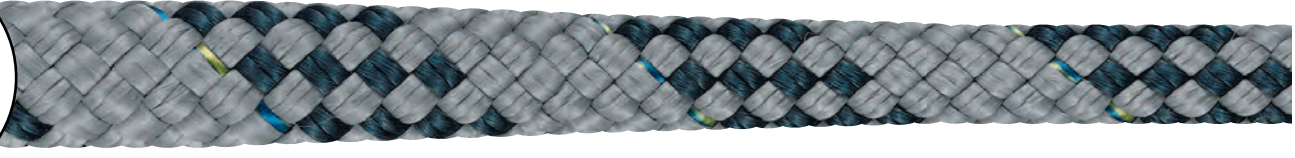
Connecting sheets, hooking up halyards, attaching blocks, LIROS XTR Soft Shackle is the answer. Developed by LIROS with 100% high-strength Dyneema® SK78 fibres, the LIROS Soft Shackle replaces metal shackles on deck.

Simple and fast to open with our blue LIROS lanyard, which also shows the breaking load.

Advantages of LIROS Soft Shackle:

- no more injuries or deck damage from metal shackle impact
- 10 x lighter for the same breaking load than steel
- very easy and simple to use
- won't unintentionally open under load
- after high loads easy to undo
- LIROS premium quality
- multiple industrial and outdoor applications
- useful for many industrial and outdoor applications

Material Dyneema® SK78



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.

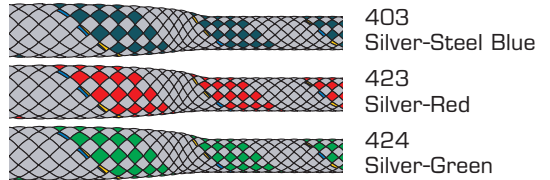
- working stretch < 1.5 %
- optimum grip on winches
- easy reefing, safe manoeuvres
- perfect solution for tapered halyards
- in standard sizes only

02010-0900
Tapering from 9 mm (20 m) to 6 mm (10 m) = 30 m

02010-1100
Tapering from 11 mm (20 m) to 8 mm (15 m) = 35 m

Ø mm	Breaking strength kg	Length of spool m
9-6	2300	20 m Ø 9 mm + 10 m Ø 6 mm
11-8	3600	20 m Ø 11 mm + 15 m Ø 8 mm

Colours



Cover high-tenacity Polyester
Construction 1:1 plaited
Core Dyneema® SK78 with additional cover plaiting



LIROS HSS
Heat Stretch System

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 System with integrated shackle comes in a handy MLS mesh stow bag.

- Premium workmanship with Wichard shackle
- Product information on page 14, Dynamic Plus



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

Halyard (Main, Genoa, Spinnaker)

Ref.	Ø mm	Length m	Attachment	Boat Size ft
02004-0830	8	30	pilot eye/spliced Wichard 81433	22-29
02004-1035	10	35	pilot eye/spliced Wichard 81434	30-36
02004-1240	12	40	pilot eye/spliced Wichard 81434	37-42

Sheet (Spinnaker, Genoa)

Ref.	Ø mm	Length m	Attachment	Boat Size ft
02004-0825	8	25	whipping/spliced Wichard 2473	22-36
02004-1025	10	25	whipping/spliced Wichard 2475	37-40
02004-1230	12	30	whipping/spliced Wichard 2475	40-42





NEW



LIROS D-Loops

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 3 variants: single, double and looped.

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

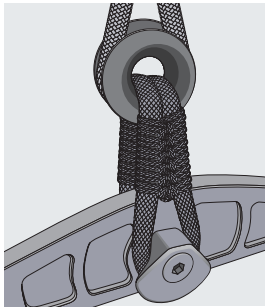


LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

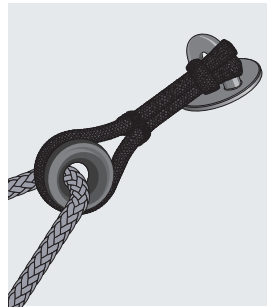
Application examples



single

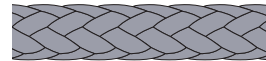


double



looped

Colour



205
Silver

Material

Dyneema® SK99

Construction

16-plaited, coated

Ref.	Ø mm	Length mm	SWL* single kg	SWL* double kg	SWL* looped kg
00146-0230	4	100	600	1200	480
00146-0231	7	100	1100	2200	880
00146-0232	8	130	1600	3200	1280
00146-0234	10	170	2500	5000	2000
00146-0235	10	200	2500	5000	2000

*SWL = Safe Working Load

LIROS Fender Lines 01580-0801

- pair of premium fender lines
- eye splice (15 cm) on one end
- 2,0 m customized or 100 m reels without eyes

Ø mm	Length m	Breaking strength kg	Eye cm
8	2,0	900	15
8	100	1000	-

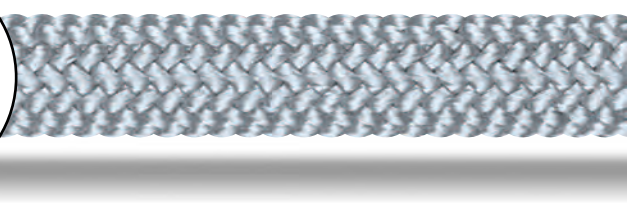
NEW

Colours



Material

high-tenacity black Polyester



LIROS Racer 02001

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

Colours



542
White NF



529
Silver NF

For detailed description of LIROS Racer see page 13.



LIROS Super Classic 01570

Super sheet conceived especially for classic yachts and Cruising boats. LIROS developed this especially low-stretch and easy-handling sheet with excellent winch suitability and superior handling in mind, rather than overall breaking strength.

Colours



542
White NF

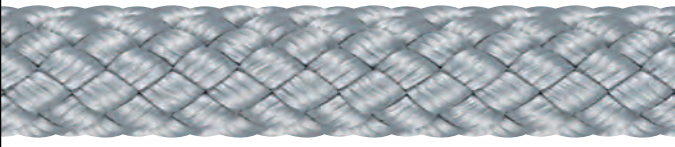


705
Beige NF



529
Silver NF

For detailed description of LIROS Super Classic see page 15.



LIROS Herkules Colour 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.

Colours



529
Silver NF



705
Beige NF

For detailed description of LIROS Herkules Color see page 17.



LIROS Top-Cruising-Colour 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.

Colours



529
Silver NF



523
Navy NF



705
Beige NF

For detailed description of LIROS Top-Cruising-Color see page 19.



LIROS Seastar Classic 00173

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

Colour



546
Hemp NF

For detailed description of LIROS Seastar Classic see page 74.

For more traditional cordage please see pages 74 – 75.



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	Breaking strength kg
6	1300
8	3300
10,5	4000
11	4100
13	5000
16,5	8500

Colour



188
Black

Cover

Polyester

Construction

16-plaited

Core

Aramid with braided monofilament

Twaron®

The power of Aramid

LIROS LCS
LIROS Coating System



LIROS Leach Line

01046

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

- round
- compact
- minimal shrinkage

Ø mm	Length of spool m
2	250
2,5	250
3	250
3,5	250
4	250
4,5	250
5	250
5,5	250
6	200
7	200
8	200

Colour



228
White

Cover

low-shrink, 16-plaited Polyester

Core

low-shrink Polyester



LIROS PP-Profile Rope

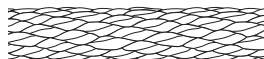
1075E

Extremely lightweight, round and retaining leach line for sail makers. Also ideal as a profile line for rolling sun sails.

- round
- light
- compact
- low Shrinking
- no water absorption
- hard construction

Ø mm	Breaking strength kg	Length of spool m
4,5	160	250
5	200	250
6	400	200
8	550	200

Colour



228
White

Material

Polypropylene Multifilament, spiral plaited



NEW

SAILMAKER

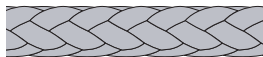
LIROS Lazy Jack

01532

Newly developed Polyester braid in new compact construction. Specially for use as Lazy Jack line.

- round and lightweight
- easy to splice
- extremely UV-resistant
- very abrasion resistant

Colour

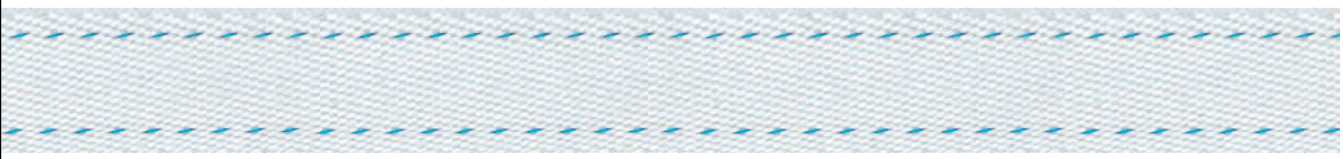


529
Silver

Material special high twisted Polyester spun dyed

Construction 12-plaited without core

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




LIROS Webbing Dyneema®

00186

Premium webbing, low-stretch and high breaking load.

- lowest stretch
- high breaking strength
- very abrasion resistant
- no water absorption
- extremely UV resistant.

Colour



228
White

Material Dyneema® SK78 webbing

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




LIROS Magic Race

02016

Extremely low-stretch, abrasion-resistant. Round, compact, braided high-tenacity Dyneema® core.

- working stretch < 1.5 %
- very UV resistant
- low-stretch, high-grip

Colour



228
White

Cover special, high-twisted Polyester

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

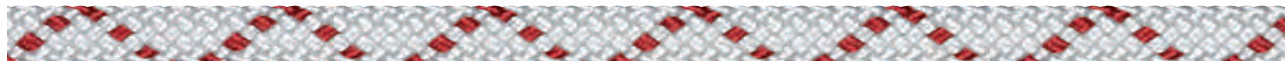
Core coated Dyneema® SK78

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



LIROS HSS
Heat Stretch System

LIROS LCS
LIROS Coating System



LIROS Magic Sail 01512

LIROS Magic Sail is ideal for sailmakers. Extremely shrink-resistant, round and compact for easy processing.

- minimal shrinkage
- good dimensional stability

Colour



236 White-Red

Cover
Polyester

Construction
2-5 mm 16-plaited
6 mm 1:1 plaited

Core
Polyester

Ø mm	Breaking strength kg	Length of spool m
2	95	100
3	185	100
4	320	100
5	680	100
6	940	100



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

Colour

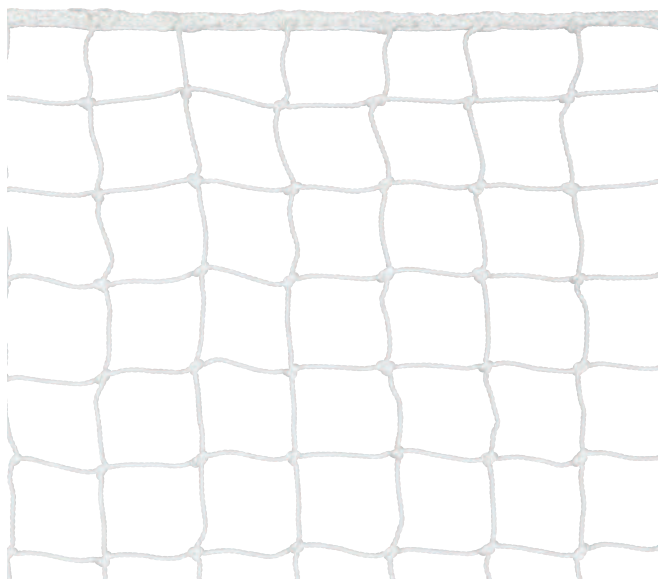


228 White

Material
low-shrinkage Polyester

Construction
3-strand

Ø mm	Length of spool m
5	250
6	200
7	200
8	200
9	200
10	200
11	200
12	200



LIROS Safety Netting 02040-0001-228

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

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



SHOCK CORD

LIROS Shock Cord

00190

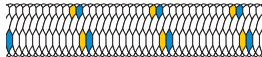


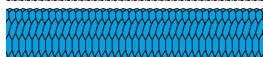

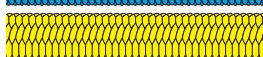
Our high-elasticity shock cord with the best in stretch characteristics. Braided out of abrasion resistant Polyester in solid colour or white with blue-gold mark yarn.

- round, abrasion-resistant construction
- also available in industrial bulk quantities
- Made in Germany
- individual adjustment in terms of colour possible

Cover Polyester
Construction 3–8 mm 16-plaited
 10–14 mm 24-plaited
Core premium Latex

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

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



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

Cover Dyneema®
Construction 16-plaited
Core high quality Latex rubber



Colour

	239 White-Black
---	--------------------

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



**LIROS
Nylon Hook
01294-0400-228**

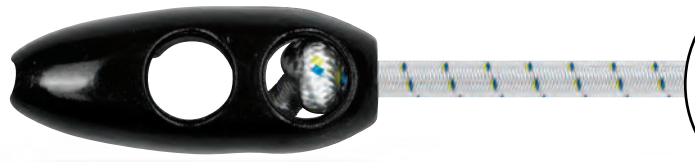
For 4 mm diameter shock cord. 10 pieces in PE bag.



**LIROS
Nylon-Carabine Hook
01194/01196/01198**

For LIROS Shock Cord 4–8 mm Ø
5 pieces in PE bag.

Ref.	Ø in mm
01194-0400-228	4
01196-0600-228	6
01198-0800-228	8



**LIROS Quick-Clip
01905/01907**

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

Ref.	Ø mm	Length cm
01905-4050	4	50
01905-5070	5	70
01907-8100	8	100
01907-8140	8	140

Hook attachments, carabine hooks and toggles available loose



LIROS Quick-Clip 01905/01907

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

- 01905 for 4 and 5 mm cord
- 01907 for 8 mm cord



LIROS Elastic Strops 01901

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.

- Made in Germany
- UV-resistant
- abrasion resistant

Ref.	Ø mm	Length cm
01901-0415-228	4	15
01901-0435-228	4	35
01901-0455-228	4	55
01901-0475-228	4	75



**LIROS Sail Ties
00187-2525-229**

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

- 5 pieces in LIROS Netbag
- length: 2m



LIROS D-Pro 01505

High tech line of performance Dyneema®. Premium multi-purpose dinghy line.

- very strong and abrasion resistant
- UV resistant and spliceable
- assorted colours

Ref.	Ø mm	Number of spools
01505-0002	2	10 x 30 m
01505-0003	3	10 x 15 m
01505-0004	4	5 x 10 m

Material pre-stretched, coated Dyneema® SK78
Construction 12-plaited

Colours

	171 Red
	010 Blue
	059 Yellow
	205 Silver
	228 White
Assorted Colours	054



LIROS Magic Speed 01501

Perfect for dinghy halyards or control lines. Very low abrasion cover for cleats, low-stretch.

- very durable
- low stretch

Ref.	Ø mm	Number of spools
01501-0002	2	10 x 30 m
01501-0003	3	10 x 15 m

Cover Polyester
Construction 16-plaited with core
Core Polyester

Colours

	412 Red-Pink-Blue
	479 Blue-Pink
	414 Neon Yellow-Pink-Blue
	408 Black-Neon Yellow-Blue
Assorted Colours	054

Assorted Colours 054



LIROS Braided Polyester Line 01040

Braided high-strength Polyester

- will not stiffen up
- flexible
- very UV resistant

Ref.	Ø mm	Number of spools
01040-0002	2	10 x 30 m
01040-0003	3	10 x 15 m
01040-0004	4	5 x 10 m

Material Polyester
Construction 8-plaited

Colours

	171 Red
	010 Blue
	059 Yellow
	086 Green
	188 Black
	228 White
Assorted Colours	054

Assorted Colours 054



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

Ref.	Ø mm	Number of spools
01522-0163	3	10 x 20 m

Construction 16-plaited with core
Cover Polyester



LIROS Whipping Twine/Sewing Thread

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

LIROS Dyneema® Waxed Whipping Twine

NEW	00016	0,5	20x80 m	braided	waxed	529 Silver
NEW	00017	1,2	20x30 m	braided	waxed	529 Silver

All whipping twine also available in bulk 500 m spools.

* Colour assortment: Black, Blue, Green, Red, Yellow

LIROS Historic 01140-0003

Design like traditional Hemp rope, but softer, stronger and more weather resistant. Spun Polypropylene yarn.

- high-grip
- pliable
- weatherresistant

Ø mm	Number of spools
------	------------------

3 5 x 15 m

Colour



546
Hemp NF

Material

spun Polypropylene

Construction

3-strand

LIROS Optisail 02056

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

- working stretch < 1.5 %
- best knot holding
- extremely, strong and pliable

Ø mm	Number of spools
------	------------------

1,2 20 x 20 m

Colour



199
Black-Red

Cover

Polyester

Construction

16-plaited with core

Core

Dyneema® SK78



WHIPPING TWINE / SMALL CORDS, POINT-OF-SALE







See our premium metal display rack for best presentation on Point-of-Sale (page 83)



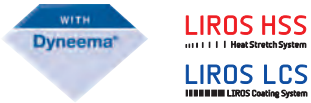
LIROS DC / DC Pro

High-end, 100 % Dyneema® kiteline. LIROS DC is perfect for flying line or bridle. 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
- very good stretch resistance
- LIROS Heat-Stretch-System

Colours	
	171 Red
	010 Blue
	059 Yellow
	086 Green
	228 White
	316 Carbon

Material pre-stretched, coated Dyneema®
Polyester cover to strengthen splices:
LIROS PC000-0060, PC000-120, PC000-200, PC000-0300



LIROS DC PRO



Ref.	approx. Ø mm	Breaking strength kg	Length of spool* m
DC 000-0161	0,83	160	1000
DC 000-0201	1,10	260	1000
DC 000-0301	1,50	440	1000
DC 000-0401	1,60	570	1000
DC 000-0701	2,00	700	1000

LIROS DC

Ref.	approx. 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 6 pieces to a spool. No line will be shorter than 25 m

LIROS Magic-High-Trim

02080


Pre-stretched, extreme low elongation extension line for excellent kitebar control. High-strength continuous Polyester for high-grip and durability. Perfect cleat hold.


- working stretch < 1.5 %
- extremely low-stretch
- built for maximum hold in cleats
- round, firm, abrasion resistant braiding
- LIROS Heat-Stretch-System



Ø mm	Breaking strength kg	Length of spool m
4	800	250
5	1100	250
6	2200	200

Cover Polyester
Construction 8-plaited
Core pre-stretched Dyneema® SK78

Colours	
	188 Black

	228 White
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NEW

LIROS Bridle Line

22138

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 to the kite control.

- low elongation
- high abrasion resistance
- compact
- safe

Colour188
Black**LIROS HSS**
Heat Stretch System

- Cover** high tenacity Polyester
Construction 12-plaited
Core Dyneema® plaited

Ref.	approx. Ø mm	Breaking strength kg	Length of spool* m
22138-0200	2,00	300	1000
22138-0330	3,30	500	500

* LIROS FlightSport lines may come 6 pieces to a spool. No line will be shorter than 25 m

FLIGHTSPORT / KITE

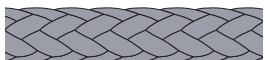
NEW

LIROS DePower Lines

01505/E0148

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 Depowerlines.

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

Colours228
White205
Silver**LIROS HSS**
Heat Stretch System
LIROS LCS
LIROS Coating System

- Material** Dyneema®
Construction plaited, heat set and coated

Ref.	approx. Ø mm	Breaking strength kg	Length of spool m
01505-0400	4,00	1300	100
01505-0440	4,40	1550	100
01505-0450	4,50	1750	100
01505-0500	5,00	2600	100
E0148-0560	5,60	1800	100



NEW

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



LIROS HSS
HeatStretchSystem

Colours

	171 Red
	086 Green
	150 Orange

	010 Blue
	059 Yellow

Ref.	approx. Ø mm	Breaking strength kg	Length of spool* m
PPSLS-0065	0,76	65	1000
PPSLS-0125	1,17	130	1000
PPSLS-0180	1,25	180	1000
PPSLS-0260	1,58	260	1000

Cover Polyester
Core pre-stretched Dyneema®

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



LIROS HSS
HeatStretchSystem

Colours

	171 Red
	086 Green
	150 Orange

	010 Blue
	059 Yellow
	157 Pink

Ref.	approx. 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

Cover Polyester
Core pre-stretched Dyneema®

* LIROS FlightSport lines may come 6 pieces to a spool. No line will be shorter than 25 m



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.

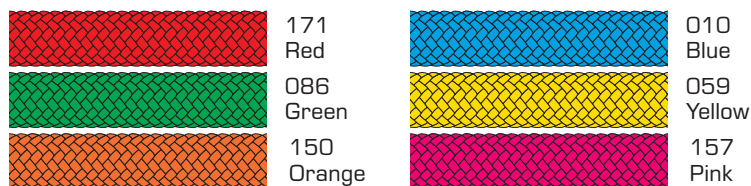
- very low creep
- lowest stretch
- good line differentiation
- optimum durability
- LIROS Heat-Stretch-System



LIROS HSS
Heat-Stretch-System

Ref.	approx. 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

Colours



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

Colours



Cover Polyester
Core Dyneema®

Ref.	approx. Ø mm	Breaking strength kg	Length of spool* m
DFL00-0115	1,40	115	1000
DFLS0-0200	1,90	200	500
DFLPO-0232	2,70	200	500
DFL00-0350	2,70	350	500



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.

Polyamide (10150)

- working stretch < 25 %
- excellent damping capabilities
- good spliceability



Dyneema® 00148; 00099-1192

- working stretch < 7 %
- good spliceability
- high weight reduction

Ref.	approx. Ø mm	Breaking strength kg	Length of spool* m
00148-0131	1,3	190	1000
00099-1192	1,7	350	1000
10150-0400	4	110	250/1000
10150-0450	4,5	150	250/1000

Material 10150 high-tenacity Polyamide
00148 Dyneema®

Colour



* LIROS FlightSport lines may come 6 pieces to a spool. No line will be shorter than 25 m



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

Technora®






The power of Aramid

LIROS HSS
Heat Stretch System

Ref.	approx. 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

Cover Polyester
Core Technora®

Colours

	171 Red		010 Blue
	086 Green		059 Yellow
	150 Orange		

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.

NEW LIROS nanocoating system for high-tech mat look!

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

Technora®


The power of Aramid

LIROS LCS
LIROS Coating System

LIROS HSS
Heat Stretch System

Ref.	approx. Ø mm	Breaking strength kg	Length of spool* m
LTC 00-0045	0,55	45	1000
LTC 00-0065	0,65	65	1000
LTC 00-0080	0,70	80	1000
LTC 00-0120	1,10	120	1000
LTC 00-0160	1,20	160	1000
LTC 00-0200	1,30	200	1000
LTC 00-0350	1,75	350	500
LTC 00-0400	1,90	400	500

Colour

 705
Beige NF

Material 100 % Technora®
Construction 12-plaited

* LIROS FlightSport lines may come 6 pieces to a spool. No line will be shorter than 25 m



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
- enormous weight reduction
- low diameter increases winch capacity
- no water absorption
- very good UV resistance

Colour



228
White

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

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
- best resistance to fatigue
- LIROS Heat-Stretch-System

Colour



228
White

Ref.	approx. Ø mm	Breaking strength kg	Length of spool m
CRS00-0500-228	5	500	500
10148-0608-521	6	930	500
CR000-1000-228	6	1000	500
CR000-1800-228	9	1800	500

Material 100 % Dyneema®
Construction 32-plaited



LIROS T-Webbing

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

- high breakloads
- good resistance to abrasion

Colour

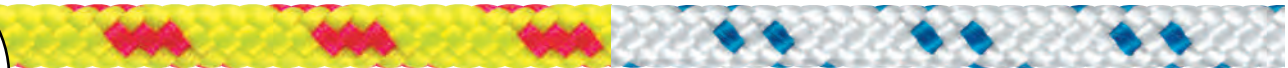


188
Black

Width mm	Breaking strength kg	Length of spool m
13	850	100

Material Technora®/Polyester
Construction webbing





LIROS Trim Line Neon

LIROS Trim Line **01522**
 01051

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

- working stretch < 5 %
- very UV resistant
- low-stretch, high-grip
- excellent for windsurfing

Material
Polyester

Construction
16-plaited with twisted core

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

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

Colours 01522



416
Purple-Neon Yellow




417
Neon Yellow-Pink

Colours 01051



229
White-Blue




188
Black

LIROS Surf

100 % Dyneema® surf cord for lowest stretch and precise control. Adjust your North mast-foot extension with ease, out on the water. Young windsurfers can easily manage extreme luff tension on slalom sails. Get any shape with millimeter precision in seconds.

- working stretch < 1 %
- extremely low-stretch

Colour



228
White



Material
pre-stretched Dyneema® SK78

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

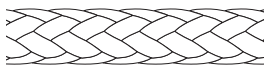
Ref.	Ø mm	Breaking strength kg	Length of spool m
03000-0380	3,8	1000	100
00148-0419	4,2	800	100

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 applications
- useable in many industrial applications

Colour 10070

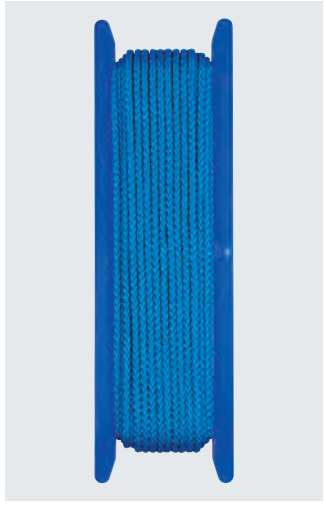


228
White


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

Material Polypropylene multifilament

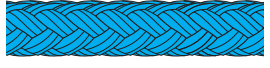
Construction 8-plaited




Colours 10072




171
Red



010
Blue



059
Yellow



086
Green



188
Black



LIROS Max Load Black

02025

Full spectrum black cover is completely invisible in dark environments. High-quality, very low-stretch, with durable and abrasion resistant braided cover, inner cover and special coated Dyneema® SK78 core.

- working stretch < 1.5 %
- exceptionally strong, durable, and lightweight
- extremely abrasion resistant Polyester cover
- LIROS Heat-Stretch-System

Colour



Cover special high-twisted Polyester

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

Core coated Dyneema® SK78 with additional cover plait from 8 mm and up



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
2	270	3	250
2,5	390	5	250
3	550	7	250
4	800	11	250
5	1100	15	250
6	2500	25	200
8	3800	42	200
10	5000	61	200
12	7200	88	200
14	9500	132	150
16	12800	150	100
18	15300	180	100
20	18500	236	100
22	20000	282	100
24	23000	321	100



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



Cover spun dyed Polyester

Construction Ø 5 mm 8-plaited
Ø 6 – 10 mm 16-plaited
12mm and up 24-plaited

Core high-tenacity braided Polyester

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	3500	100



LIROS Poly Black

01076

Affordable, extremely lightweight rope for theatre and other applications. Very easy-to-handle, deep black soft Polypropylene.

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

Colour



525
Black NF

Material Polypropylene multifilament

Construction 8-plaited

Ø mm	Breaking strength kg	Length of spool m
1,5	38	500
2,0	70	500
3,0	140	500
4,0	280	500
5,0	390	250
6,0	550	200
8,0	900	200
10,0	1230	200
12,0	1700	200
14,0	2000	150
16,0	3700	100

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.

- mat black surface, not marking off
- non-reflective
- working stretch < 1 %
- 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

Colours



188
Black (1 and 1,5 mm)
674
Deep Black (2 mm up)



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	19000	131	100

Material coated Dyneema® SK78
Construction pre-stretched, coated 12-plaited



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

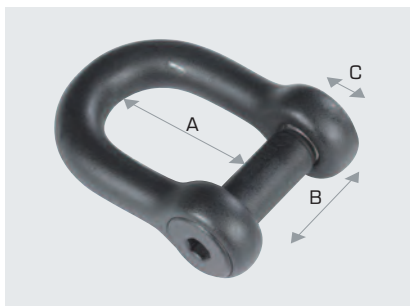


525
Black NF

Material high-tenacity Polyester

Construction 16-plaited with core up to 10 mm
20-plaited with core from 12 mm

Ø mm	Breaking strength kg	Length of spool m
1,0	35	500
2,0	90	500
3,0	150	500
4,0	280	500
5,0	450	250
6,0	640	200
8,0	1100	200
10,0	1700	200
12,0	2200	200
14,0	3000	150
16,0	3900	100



Standard shackle, ref 1304B



Carabine hook, ref 2325B



Snap shackle, ref 2471B

LIROS Black Shackle

Coated black shackle in 3 versions.
Matt coating will not reflect light.

	Standard Shackle Ref. 1304B	Carabine Hook Ref. 2325B	Snap Shackle Ref. 2471B
Weight	53 g	73 g	42 g
Working Load	960 kg	960 kg	960 kg
Breaking Strength	2700 kg	1500 kg	2000 kg
Opening A/B	26 mm / 16 mm	15 mm / 11 mm	16 mm / 10 mm
Diameter C	8 mm	8 mm	—
Colour	Black	Black	Black



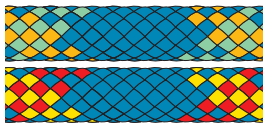
LIROS Sky

01002

Powerful, ultra-light weight single rope, designed for experienced/aggressive climbers. Manufactured according to **DIN EN 892**. CE approved.

- impact force (80 kg) 7.3 kN
- UIAA rated 10 falls (norm ≥ 5 falls)
- LIROS DryRope System
- extremely resistant against sharp edges
- weight: 63 g/m
- black midpoint marking
- durable easy handling
- twist-free
- manufactured to **DIN EN 892**
- dynamic stretch: 38 %
- 80 kg stretch factor: 9.7 %
- cover movement: 0 mm
- cover ratio: 4.1 %

Colours



- 502 Blue-Green-Orange
- 013 Blue-Yellow-Red

Single rope: rope suitable for single-line climbing, providing optimal 'rope drag' control. For all difficult straight-line climbs, or easy routes with no belaying/rappelling points, requiring a single-line approach. A favourite among sport climbers.

Ref.	Ø mm	Length m
01002-0970	9,7	200
01002-0971	9,7	60
01002-0972	9,7	70

Material high-tenacity Polyamide



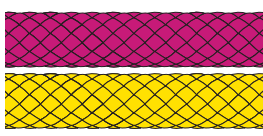
LIROS Sky Duo

01001

Newly developed LIROS 'half' rope for double rope applications. Lowest weight for advanced/aggressive climbers. Manufactured according to **DIN EN 892**. CE approved.

- impact force (55 kg on one rope) 5.1 kN
- UIAA rated 18 falls (norm ≥ 5 falls)
- LIROS DryRope System
- extremely resistant against sharp edges
- weight: 48 g/m
- black midpoint marking
- durable easy handling
- twist-free
- manufactured to **DIN EN 892**
- dynamic stretch: 35 %
- 80 kg stretch factor: 11.5 %
- cover movement: 0 mm
- cover ratio: 38 %

Colours



- 058 Fuchsia
- 059 Yellow

Double rope: Rope for double line systems, consisting of two sections with the lead climber securing the center. Two climbers can then each secure one section. To reduce drag, attach one section only. Great for mountain touring or for long climbing routes, where you want to rappel. Also recommended for securing unsafe points (e.g., while ice climbing). Connecting only one section will reduce impact force.

Ref.	Ø mm	Length m
01001-0860	8,6	200
01001-0861	8,6	50
01001-0862	8,6	60

Material high-tenacity Polyamide





LIROS Rock

01003

New design from LIROS. Powerful single rope for the classic climber. Perfect cost-benefit balance. Manufactured to **DIN EN 892**. CE approved.

- *impact force (80 kg) 8 kN*
- *UIAA rated 8 falls (norm ≥ 5 falls)*
- *resistant against sharp edges*
- *weight: 65 g/m*
- *black midpoint marking*
- *durable easy handling*
- *twist-free*
- *manufactured to **DIN EN 892***
- *dynamic stretch: 37 %*
- *80 kg stretch factor: 9.5 %*
- *cover movement: 0 mm*
- *cover ratio: 36 %*

Single rope: rope suitable for single-line climbing, providing optimal 'rope drag' control. For all difficult straight-line climbs, or easy routes with no belaying/rappelling points, requiring a single-line approach. A favourite among sport climbers.

Ref.	Ø mm	Length m
01003-1020	10,2	200
01003-1021	10,2	60
01003-1022	10,2	70

Material high-tenacity Polyamide



Colours



194
Black-Green



197
Black-Orange

LIROS Wall

01004

New from LIROS. Powerful single rope specially designed for the indoor climber. Sturdy, abrasion resistant cover. Perfect cost-benefit balance. Manufactured to **DIN EN 892**. CE approved.

- *impact force (80 kg) 8.4 kN*
- *UIAA rated 8 falls (norm ≥ 5 falls)*
- *extremely low core-cover movement*
- *extremely resistant against sharp edges*
- *weight: 71 g/m*
- *strong and easy to handle*
- *twist-free*
- *manufactured to **DIN EN 892***
- *dynamic stretch: 36 %*
- *80 kg stretch factor: 8.5 %*
- *cover movement: 0mm*
- *cover ratio: 47 %*

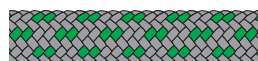
100 % longer useful life for indoor ropes! Today indoor climbing walls are nearly everywhere. With top roping, the rope is nearly continuously in the same location and is subject to frequent, small drops. LIROS has developed an abrasion-resistant cover to extend the life of the rope compared to standard climbing lines. Perfect cover-core attachment to eliminate the "sock effect" where the cover becomes shorter than the core. The cover must not be cutted!

Ref.	Ø mm	Length m
01004-1050	10,5	200
01004-1051	10,5	40

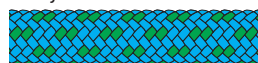
Material high-tenacity Polyamide



Colours



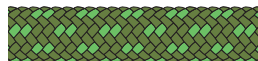
081
Grey-Green



015
Blue-Green



328
Green-Red



503
Olive-Light Green



LIROS Accessory Cord

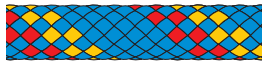
01024

Secure your equipment with highly abrasion resistant LIROS Accessory Cord. Multifunction line, suited for nearly all outdoor and climbing purposes. Exceptionally long-lasting construction, with good knot hold.

Colours



411
Red-Blue-Yellow



507
Blue-Red-Yellow



267
Yellow-Red-Blue

Ø mm	Breaking strength kg	Length of spool m
3	225	100
4	370	100
5	550	100
6	730	100
8	1600	100

Cover	high-tenacity Polyamide
Construction	16-plaited
Core	high-tenacity Polyamide



LIROS Semi-Static Rope

00099-1116

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**.

- working stretch 4.3 %
- long-lasting construction
- highly abrasion resistant
- easy to handle
- good knot hold
- extremely low cover-core movement
- available with both ends sewn eye.

Material	high-tenacity Polyamide
Construction	1:1 plaited
Core	special multi-braided Polyamide



Colour



382
White-Blue-Black

Colour



525
Black NF

Ø mm	Breaking strength kg	Elongation % at 100 kg	Weight g/m	Cover ratio %	Length m
10,5	3400	4,1	70	42	200



LIROS Safe Pro

01011

Cover high-tenacity Polyamide
Construction 32-plaited
Core high-tenacity Polyamide

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.
- certified to **DIN EN 1891**



Colour



230
White-Blue-Yellow

Ø mm	Breaking strength kg	Elongation % at 100 kg	Weight g/m	Cover ratio %	Length m
10	2600	4,4	58	43	200
11	2850	4,2	71	53	200
12	3900	4,0	82	45	200
14	4550	3,4	102	46	150



LIROS Safe Nordic

01015-0000

Cover high-tenacity Polyamide
Construction 32-plaited
Core high-tenacity Polyamide

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.
- certified to **DIN EN 1891**



Colour



701
Black 2KF Red

Ø mm	Breaking strength kg	Elongation % at 100 kg	Weight g/m	Cover ratio %	Length m
11,5	3400	3,8	80	46	200



LIROS Safe Prusik

01590/01592/01593

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

Colour 01592



321
Yellow-Silver

Colour 01593



069
Yellow-Green

Colour 01590



064
Yellow-Red

Ref.	Ø mm	Breaking strength kg
01592	8	2450
01590	9,1	2220
01593	10	2270

Standard lengths: 60, 70, 80, 90, 100, 110, 120 cm

Cover 50 % hybrid fibres
50 % Polyester
20-plaited

Core high-tenacity Polyester



LIROS Safe Prusik-XTR

01594

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

- very high strength
- impact force: 5.5 kN
- excellent abrasion resistance, even at high temperatures
- perfect cover-core attachment
- multiple applications
- sewn eye on each end

Ø mm	Breaking strength kg
9	2340

Standard lengths: 60, 70, 80, 90, 100, 110, 120 cm

Cover 50 % hybrid fibres
50 % Polyester
24-plaited

Core Dyneema®, Aramid



Colour



192
Black-Yellow



LIROS Safe Vision

01595/01596

Cover high-twisted Polyester
Construction 24-plaited
Core twisted Polyamide

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
- minimized cover / core movement
- good knot hold
- extremely low cover-core movement
- certified to **DIN EN 1891**

Colour



014
Blue-Yellow-White



Ref.	Ø mm	Breaking strength kg	Elongation % at 100 kg	Weight g/m	Cover ratio %	Length m
01595-0000	11,8	3700	2,5	82	54	200
01596-0000	12,8	4500	2,2	102	51	200



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

Ø mm	Breaking strength kg	Length of spool m
12	4500	200
14	5500	150
16	6700	100
18	7600	100

Cover high-twisted Polyester
Construction 20-plaited
Core high-tenacity braided Polyester

Colours



12 mm
010 Blue
16 mm
171 Red



14 mm
059 Yellow
18 mm
188 Black

LIROS LCS
LIROS Coating System



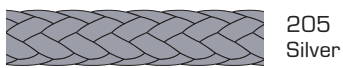
LIROS D-Steel

01481

LIROS Heat Stretch System guarantees optimized breaking load and stretch characteristics. Excellent abrasion resistance, low weight and easy splicing provide new solutions for forestry workers and arborists. Ideal for replacement of steel wire in multiple technical applications.

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

Farbe



Material Dyneema®
Construction 12-plaited, heat set and coated



LIROS HSS
 Heat Stretch System
LIROS LCS
 LIROS Coating System

Ø mm	Breaking strength kg	Length of spool m
8	6800	100 / on demand
10	10500	100 / on demand
12	14500	100 / on demand
14	17500	100 / on demand
16	22000	100 / on demand
18	26000	100 / on demand
20	32000	100 / on demand
22	38000	100 / on demand
24	44000	100 / on demand
26	50000	100 / on demand
28	52000	100 / on demand
30	61000	100 / on demand
32	68000	100 / on demand
34	74500	100 / on demand
36	81000	100 / on demand
38	94500	100 / on demand
40	100030	100 / on demand

LIROS Connect

00104

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

Ref.	00104-0001	00104-0002
Rope diameter	10 mm	12 - 16 mm
Max. load	5 t	10 t
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)





NEW



LIROS Offroad XTR 04010-0900

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
- Minimal (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)

Ø mm	Breaking strength kg	Weight kg/ piece	Length m
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9,4	9000	2,4	27
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Material 100 % Vectran® with XTR-Coating
Construction 12-plaited

Colour



LIROS LCS
LIROS Coating System

Vectran™

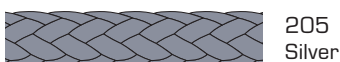
Application video: <https://youtu.be/PRNXksqXNZk>

LIROS Offroad Winch Rope 01481

Specially-designed recovery rope for extreme winch applications. Perfect replacement for wire cable. Strong and 10 x 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 3 m heat resistant monofilament braid.

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

Colour



Material

Dyneema®



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

Ref.	Ø mm	Length m	Winch size t	Breaking strength 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: 2.5 t safe working load



Winner in "4X4 Action" Magazine for real offroaders

* 6 other winch lines tested (4/2014 issue)

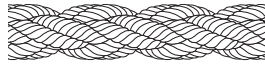


LIROS Offroad Towing Rope 01058-2401

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

Colour



228
White

Material

high-tenacity Polyamide

Construction

8-strand octoplat

Ref.	Ø mm	Length m	Breaking strength kg
01058-2401	24	5	9500
01058-2402	24	8	9500
01058-2403	24	12	9500
01058-2404	24	15	9500



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 Shackles enable a fast and secure connection. Best handling thanks to low weight.

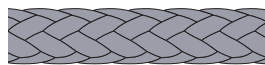
- Flexible and lightweight with maximum breaking load
- Two integrated LIROS Soft Shackles
- High-tech Material Dyneema®
- Low noise and easy handling
- Minimize the risk of injury due to use of 100 % textile fibers
- No metal components to avoid scratching the paint

Application video: <https://youtu.be/PRNXksqXNZk>

Ø mm	Breaking strength kg	Weight kg / piece	Length m
12	13000	1,3	12



Colour



423 Silver-Red



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

Material

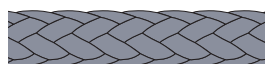
100 % Dyneema® with XTR-Coating
Both ends LIROS Special Soft-Shackle

LIROS Offroad Shackle 00146

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



205
Silver

Material

Protective sleeve

Ref.	Ø mm	Breaking strength kg	Working load kg
00146-0077	10	7000	4000
00146-0078	12	12000	7000
00146-0079	14	20000	12000



LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System

Dyneema®
Polyester





LIROS Dyneema® Braid 00148

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 0,06–24mm
- custom lengths, construction, and colour impregnation available
- 500 m X-Spool standard

Material Dyneema®

As an innovative company, LIROS pioneered the technical braiding with the extremely high-strength fibre Dyneema®. We offer an extremely wide range of braided Dyneema®, tailor-made to your specifications. LIROS aim to replace wire cables with textile alternatives. Heat treatment and coating can also greatly enhance the technical properties for many applications.

Ref.	Ø mm	Breaking strength kg	Construction	Length of spool m
00148-0006	0,06	3,8	3-plaited	500
00148-0014	0,14	8,0	3-plaited	500
00148-0018	0,18	11,5	3-plaited	500
00148-0024	0,24	16	6-plaited	500
00148-0030	0,30	25	6-plaited	500
00148-0040	0,40	36	6-plaited	500
00148-0060	0,60	60	6-plaited	500
00148-0080	0,80	90	8-plaited	500
00148-0100	1,00	115	6-plaited	500
00148-0150	1,5	175	8-plaited	500
00148-0200	2,0	200	8-plaited	500
00148-0250	2,5	410	12-plaited	500

Additional diameters available upon request.

Colour



228
White



LIROS HSS
Heat Stretch System

LIROS D-Steel

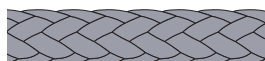
01481

LIROS Heat Stretch System guarantees optimised breakload and stretch characteristics. Excellent abrasion resistance, low weight and easy splicing provide new solutions for forestry workers and arborists. Ideal for replacement of steel wire in multiple technical applications.

- working stretch < 1 %
- very high breaking load with smallest diameter and lowest weight
- first choice for all applications with extreme loads
- 10 x 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	Length of spool m
8	6800	100 / upon request
10	10500	100 / upon request
12	14500	100 / upon request
14	17500	100 / upon request
16	22000	100 / upon request
18	26000	100 / upon request
20	32000	100 / upon request
22	38000	100 / upon request
24	44000	100 / upon request
26	50000	100 / upon request
28	52000	100 / upon request
30	61000	100 / upon request
32	68000	100 / upon request
34	74500	100 / upon request
36	81000	100 / upon request
38	94500	100 / upon request
40	100030	100 / upon request

Colour



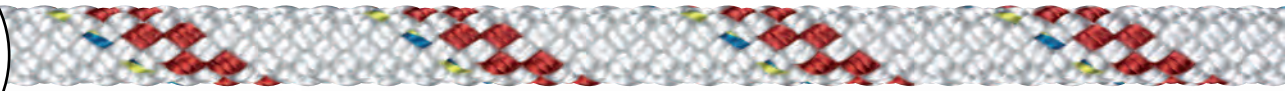
205
Silver



Material Dyneema®

Construction pre-stretched, coated 12-plaited

LIROS HSS
Heat Stretch System
LIROS LCS
LIROS Coating System



LIROS Aramid

00144

Very low stretch, durable and strong Aramid rope.

- working stretch < 1.5 %
- strong
- extremely low stretch
- Polyester cover for optimal UV and abrasion resistance

Cover

Polyester

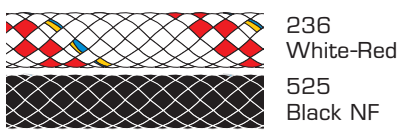
Construction

up to 2.5 mm 16-plaited
3.5 mm and up 1:1 plaited

Core

braided Aramid

Colours



The power of Aramid

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
12	3600	200
14	5200	150

LIROS Aramid Cord

00147

Extremely strong and low-stretch cord for specialised industrial and leisure applications.

- working stretch < 1.5 %
- high heat resistance
- extremely strong
- low stretch, very good steel cable replacement
- customised lengths available
- additional diameters available upon request

Colour



Material

braided Aramid



The power of Aramid

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

LIROS Polyester Spiral Braid

01045

Flexible high-strength Polyester rope.

- working stretch < 10 %
- will not stiffen up
- very UV resistant
- flexible
- abrasion resistant
- custom lengths available

Colour



Material

high-tenacity Polyester

Construction

spiral-plait

Ø mm	Breaking strength kg	Length of spool m
3,0	150	500
4,0	275	500
5,0	435	250
6,0	670	200
8,0	840	200
10,0	2500	200
12,0	2200	200
14,0	3000	150



8-plaited

16-plaited

LIROS Polyester Braid

01040/01038

High-strength Polyester rope.

- working stretch < 10 %
- will not stiffen up
- very UV resistant
- flexible
- abrasion resistant
- custom lengths available

Material

high-tenacity Polyester

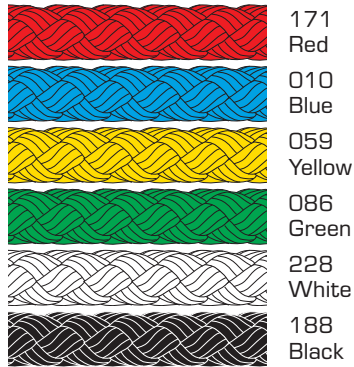
Construction 01040

1mm - 1,5 mm 6-plaited
from 2 mm 8-plaited

Construction 01038

16-plaited with core

Colours 01040



Colour 01038



	Ø mm	Breaking strength kg	Length of spool m
White & Coloured	1,0	35	500
	1,5	50	500
	2,0	90	500
	2,5	130	500
	3,0	150	500
	4,0	280	500
	5,0	450	250
	6,0	640	200
	8,0	1100	200
	10,0	1700	200
	12,0	2200	200
White & Black	14,0	3000	150
	16,0	3900	100



8-plaited

16-plaited

LIROS Polyamide Braid

01025/01030/01027

High strength Polyamide Cord.

- working stretch < 15 %
- highly elastic and flexible
- very UV resistant
- very abrasion resistant
- custom lengths available

Material

high-tenacity Polyamide

Construction 01025/01030

0,5 mm - 1,5 mm 6-plaited
from 2 mm 8-plaited

Construction 01027

16-plaited

Colour 01025



Colour 01027



Colours 01030



	Ø mm	Breaking strength kg	Length of spool m
01025/01030			
White	0,5	15	500
White & Coloured	1,0	35	500
	1,5	40	500
	2,0	100	500
	2,5	140	500
	3,0	180	500
	3,5	260	500
	4,0	340	500
	5,0	550	250
	6,0	850	200
	8,0	1500	200
	10,0	2400	200
	12,0	3200	200
White & Black	14,0	3600	150
	16,0	4300	100
01027			
White	1,5	50	500
	2,0	100	500
	2,5	140	500
	3,0	180	500
	4,0	340	500
	5,0	550	250
	6,0	850	200
	8,0	1170	200
	10,0	1720	200



LIROS Polyamide Spiral Braid 01035/01036

Spiral plaited Polyamide Cord.

- working stretch < 20 %
- high stretch
- round
- flexible
- highly UV resistant
- custom lengths available

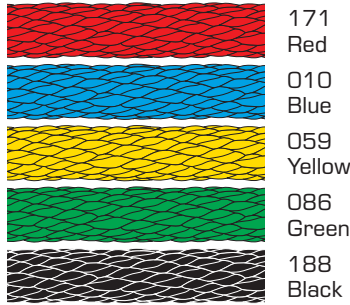
Material
high-tenacity Polyamide

Construction
spiral braiding

Colour 01035



Colours 01036



Ref.	Ø mm	Breaking strength kg	Length of spool m
01035	2,0	90	500
	2,5	120	500
	3,0	160	500
	3,5	210	500
	4,0	290	500
	5,0	450	250
	6,0	600	200
	8,0	1000	200
	10,0	1800	200
	12,0	2200	200
	14,0	2800	150
	16,0	3600	100
01036	3,0	160	500
	4,0	290	500
	5,0	450	250

8-plaited

Spiral braid

LIROLEN Braid 01070/E1070/01075

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

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

Material
high-tenacity Polypropylene multifilament

Construction 01070
1 mm 6-plaited
2 mm and up 8-plaited

Construction E1070
16-plaited with core

Construction 01075
spiral braid

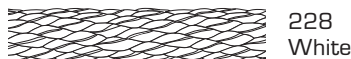
Colour 01070



Colour E1070

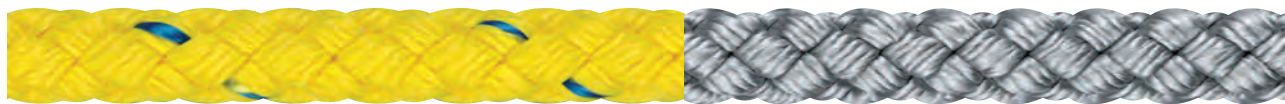


Colour 01075



Ø mm	01070/E1070 Breaking strength kg	01075 Breaking strength kg	Length of spool m
1	30	-	500
2	75	-	500
3	140	90	500
4	280	140	500
5	390	200	250
6	550	310	200
8	1000	500	200
10	1300	800	200
12	1600	1100	200
14	2000	1500	150
16	2600	1900	100

01070 Ø 1–16 mm
E1070 Ø 2–16 mm
01075 Ø 3–16 mm



6 mm and up with flecks

up to 5 mm no flecks

LIROS Coloured Polypropylene Braid 01072

Ø mm	Breaking strength kg	Length of spool m
1,0	30	500
1,5	38	500
2,0	70	500
3,0	140	500
4,0	280	500
5,0	390	250
6,0	550	200
8,0	900	200
10,0	1230	200
12,0	1700	200
14,0	2000	150
16,0	3700	100

Spun-dyed Polypropylene multifilament.

- working stretch < 12 %
- wide variety of uses
- economical
- UV stabilised
- 6mm and up with blue/gold flecks
- custom lengths available

Material spun-dyed Polypropylene multifilament

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

Colours



LIROS Nautic Hollow Braid 01072

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

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

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

Material spun-dyed Polypropylene multifilament

Construction 16-plaited without core

Colours





LIROS Venetian Blind Cord **20140/20145** **22140/22145**

100 % Polyester from 2.5 mm with core, tight braided.

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

Material high-tenacity Polyester
Construction 16-plaited

Colour 20140/20145



228
White

Colour 22140/22145



188
Black

Ref.	Ø mm	Length of spool m
20140/22140	0,8	500
	1,0	500
	1,5	500
	1,7	500
	2,0	500
20145/22145	2,5	500
with Core	3,0	500
	3,5	500

LIROS Starter Cord **10145/10445**

Special twist and compact braid construction for extreme abrasion resistance.
100 % Polyamide.

- high stretch to minimise recoil
- durable
- extremely abrasion resistant
- specialty impregnation upon request (Ref. 10445)
- *custom lengths and colours available*

Colour 10145



228
White

Colour 10445



418
White, impregnated

Ø mm	Length of spool m
3,0	500
3,5	500
4,0	500
4,5	500
5,0	250
6,0	200

Material high-tenacity Polyamide
Construction 16-plaited

LIROS All-Purpose **01060/01061**

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

Material 01060 Polypropylene monofilament
Material 01061 Polypropylene split-fibre
Construction 8-plaited

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




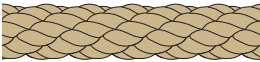


LIROS Barrier Colour

01160/01161



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

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

Colours 01160

	049 Dark Red
	042 Dark Beige
	046 Dark Green
	044 Dark Brown

Colours 01161

	130 Navy
	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. Poly-Hemp has the same good grip as Hemp, but is even softer and more weather-resistant.

- *abrasion resistant*
- *easy to splice*
- *custom lengths available*
- *28-30 mm diameter*
- *1140D ideal for outdoor use*

Alternate: 01141-3500
4-strand twisted made of spun Polypropylene

Colour 1140D

	546 Hemp NF
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Colour 0114D

	546 Hemp NF
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Colour 01141-3500

	546 Hemp NF
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Material	spun Polypropylene rope yarn
Construction	4-strand cable twist
Length	50 m spool

Material	natural spun Hemp
Construction	4-strand cable twist
Length	50 m spool

Material	spun Polypropylene rope yarn
Construction	4-strand coil twist
Length	100 m coil



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)

Colour



Cover matt Polyester yarn
Construction 6 mm–12 mm 16-plaited
 14 mm and up 24-plaited
Core high-tenacity braided Polyester

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



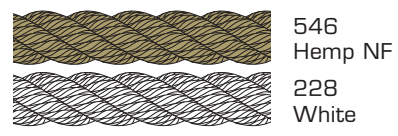
LIROS Classic 3-strand

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

Colours



Material matt Polyester yarn
Construction 3-strand

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



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 220 m coils

Colour



705
Beige NF

Material high-tenacity Polypropylene fibre

Construction 3-strand

Ø mm	Breaking strength kg	Length of coil m
10	1450	220
12	2100	220
14	2800	220
16	3580	220
18	4630	220
20	5560	220
22	6750	220
24	7560	220
26	9000	220
28	10200	220
32	11100	220



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

Material spun Polypropylene yarn

Construction 3-strand

Ø mm	Breaking strength kg	Length of spool m
3	60	500
4	120	500
5	190	250
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 (Coil)



LIROS Historic Cord 03010

Looks like Hemp, but softer, weather-resistant and better durability with the same quality.

- spun Polypropylene yarn
- UV resistant
- good grip

Colour



546
Hemp NF

Material spun Polypropylene yarn
Construction 8-plaited

Ø mm	Breaking strength kg	Length of spool m
4	120	500
5	190	250
6	320	200
8	500	200
10	800	200
12	1100	200
14	1500	150
16	2000	100
18	2400	100
20	3000	100



LIROS Hemp Cord 00310

100 % natural Hemp for a classic appearance.

Colour



546
Hemp NF

Material 100 % natural Hemp
Construction 8-plaited

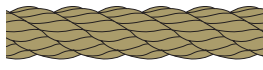
Ø mm	Length of spool m
1,5	500
2,0	500
2,5	500
3,0	500
3,5	500
4,0	500
4,5	500
5,0	250
6,0	200
8,0	200
10,0	200
12,0	200
14,0	150
16,0	100



LIROS Hemp Rope 00114

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

Colour



546
Hemp NF

Material 100 % natural Hemp

Construction 6 mm 3-strand
Construction from 8 mm 4-strand

Ø mm	Breaking strength kg	Length of spool m
6	260	200
8	410	200
10	640	200
12	980	200
14	1250	150
16	1660	100
18	2050	100
20	2530	100
22	2950	100
24	3620	100



LIROS Cotton Cord 00510/00512

100 % natural cotton.

8-plaited



140
Natural

16-plaited



140
Natural

Material

cotton

Construction 00510

8-plaited

Construction 00512

16-plaited

available in 2-12 mm

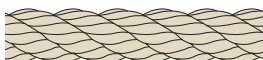
Ø mm	Length of spool m
1,5	500
2	500
3	500
4	500
5	250
6	200
8	200
10	200
12	200
14	150
16	100



LIROS Sisal Rope 00113

100 % natural, cropped sisal

Colour



140
Natural

Material

Sisal

Construction

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

Ø mm	Breaking strength kg	Length of spool m
6	310	200
8	425	200
10	560	200
12	840	200
14	1100	150
16	1490	100



LIROS Sisal Yarn and Twine

00119

Natural, oil-free, spun at our own sisal mill out of premium East African fibres. X-Spool without cover.

- *minimum packing unit: 25-kg bag*
- *Made in Germany*

Ref.	X-Spool	Length of spool m	Approx. m/kg
00119-2204	6 kg	220	4-strand 50
00119-4501	3 kg	450	1-strand 450
00119-4502	3 kg	450	2-strand 220
00119-4503	3 kg	450	3-strand 140
00119-6001	3 kg	600	1-strand 600
00119-6002	3 kg	600	2-strand 285
00119-8001	3 kg	800	1-strand 800
00119-1000	3 kg	1000	1-strand 1000

In our full-service sisal mill, extremely fine sisal yarns can be custom spun in all colours. Minimum order: 1000 kg



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.

Contains:

- 1 x LIROS Whipping needle
- 1 x swedish fid
- 3 x splicing needles (5.5–7.5–10 mm)
- 1 x LIROS brochure
- LIROS USB-Stick
- LIROS-Tape
- Dyneema® whipping twine
- 1 x pen
- 1 x lighter
- 1 x Wet Notes Notebook

LIROS Protect Set

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

- width 37 mm for ropes up to 16mm
- width 60 mm for ropes from 18 mm up to 30mm diameter.
- LIROS Protect is available in pieces or provided on reels



Ref.	Ø mm	for rope Ø	Length m
00146-0272	37	8-16	50
00146-0273	37	8-16	2 x 0,6 (Kit incl. cable ties)
00146-0274	60	18-30	50
00146-0275	60	18-30	2 x 0,6 (Kit incl. cable ties)

NEW

NEW



LIROS Wet Notes 00146-0103

Thin plastic, waterproof notebook for sailing in any weather. Durable plastic front and back cover. Fits in any pocket.

Size: 5.5 x 7.5 cm

LIROS Swedish Fid

00143

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

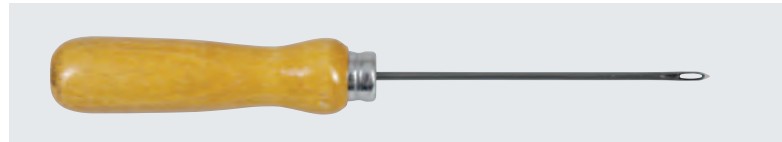
00143-0005 – up to 12 mm
00143-0006 – 14 mm and up



LIROS Whipping Needle

00143-4000

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



LIROS Micro-Splicing Needle

00143-4001

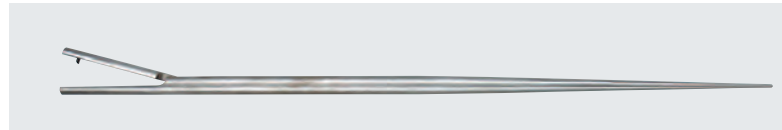
Ideal for splicing hollow braided kite and paragliding lines from 0.6 mm up to 1.1 mm. 6 pieces per package



LIROS Splicer Pro

00143

The professional tool for our LIROS Splicing Department – ideal for all core-cover splices



Ref.	Size	Splice mm	Length cm
------	------	-----------	-----------

00143-1000	1 klein	6–8	15
00143-2000	2 mittel	10–12	30
00143-3000	3 groß	12–18	34



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 250 ml bottles.

- ready to use
- improved abrasion resistance
- UV-protection (especially with black colour)
- easy-to-clean, water-based solution
- each package: 1 x 250 ml bottle, 1 sponge.



LIROS Splicing Needle Set

00143-5000

4 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.

Splicing instructions for LIROS ropes may be found at:

www.liros.com/en/service/downloads/spleissanleitungen.html

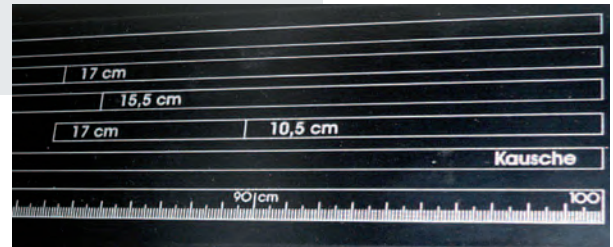




LIROS Splicing Bench
00146-0106

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

- length 2.00 m x width 0.80 m x Height 1.20 m
- also available without winch



With detailed fid-length stencil for optimum splice lengths



LIROS Rope Measuring Gauge **00138**

High quality, robust construction, chrome, can be calibrated for plaited cords, plaited lines and ropes with diameters between 3 mm and 20 mm. For fixing at LIROS Rope Rack or to the wall.

Splicing instructions for LIROS ropes may be found at:

www.liros.com/en/service/downloads/spleissanleitungen.html

LIROS Heat Cutter*

00146

For cutting and sealing synthetic cord and lines, 21 mm cutting edge. Professionally cut of synthetic ropes in all diameters.

- 60 W rating.

00146-0000 Heat cutter
00146-0001 replacement blade



LIROS Heat Cutter Pro*

00146

- 120 W rating
- ideal for professional use
- quick setup and cutting edge warmup
- wider cutting edge

00146-0276 Heat Cutter Pro
00146-0018 replacement blade



LIROS Scissors Pro* 00146-0277

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

- total length 16 cm
- cutting length 3 cm



LIROS Ceramic Pro* 00146-0278

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

- blade length: 11.5 cm
- very high precision
- razor sharp
- rust resistant
- non-magnetic
- very lightweight

CAUTION: Do not drop! May break!



* for adult use only



LIROS Rope Display

00135

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

Ref.		Pieces required for 1 wall display	Pieces required for 1 free-standing display
00135-3001	Side element 175 cm height	2	4
00135-3002	Extension 80 cm	(2)	4
00135-3003	Top for headline 25 cm	2	4
00135-3004	Bars 92 cm width	6 (8)	12
00135-3005	Reinforcement braces	-	1
00135-3006	Advertising sign	1	2



LIROS Cutting Plate

00135-3015

Variable fixable cutting plate. Includes 2 hooks for hanging the heat cutting device, scissors, etc. Keeps order on LIROS Rope Displays.

Dimensions:

width: 13 cm
depth: 37 cm



NEW



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)

The assembly instructions and the information text available for download at <http://www.liros.com/service/downloads/infoboard-fuer-tauwerkstaender.html>.



SHOP DISPLAYS

LIROS Counter Display 00146-0016

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

Can be fitted with 4 sales packages e.g. Magic Speed, Trimeline or whipping twine. See page 46-47.



LIROS Price Board 00146-0044

Attractive price board for displaying your individual LIROS rope assortment at the point of sale. Comes with instructions and removable pens, as well as coloured product stickers.



LIROS Flag

Ref.	Size
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 Carpet

Premium LIROS doormat. Easy to clean.

Ref.	Size
00146-0075	60 x 40 cm
00146-0040	85 x 120 cm



LIROS Sticker

Ref.	Size
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

LIROS Canvas Sticker

Ref.	Size
⑥ 00146-0216	ø 40 cm
⑦ 00146-0215	ø 20 cm
⑧ 00146-0214	ø 15 cm



LIROS Coffee Cup

00146-0029

LIROS PE Carrier Bags 00146-0094
white-blue (without illustration)

LIROS Climate Protection

LIROS Climate Protection

Active participation in climate protection

Sustainable and environmental action is part of the LIROS corporate philosophy. The entire LIROS company is heated with rejected heat from a nearby biogas plant, which generates heat and electricity from biomass.

LIROS produces for climatic sports such as sailing, paragliding or kiting. But also as a supplier of extremely light and high-strength components for the industry, LIROS makes a contribution to reducing global warming.

Also in the future LIROS GmbH will be involved in projects for energy production and will deliver the know-how of rope manufacture in these projects – all for nature conservation.



Energy production by photovoltaics

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

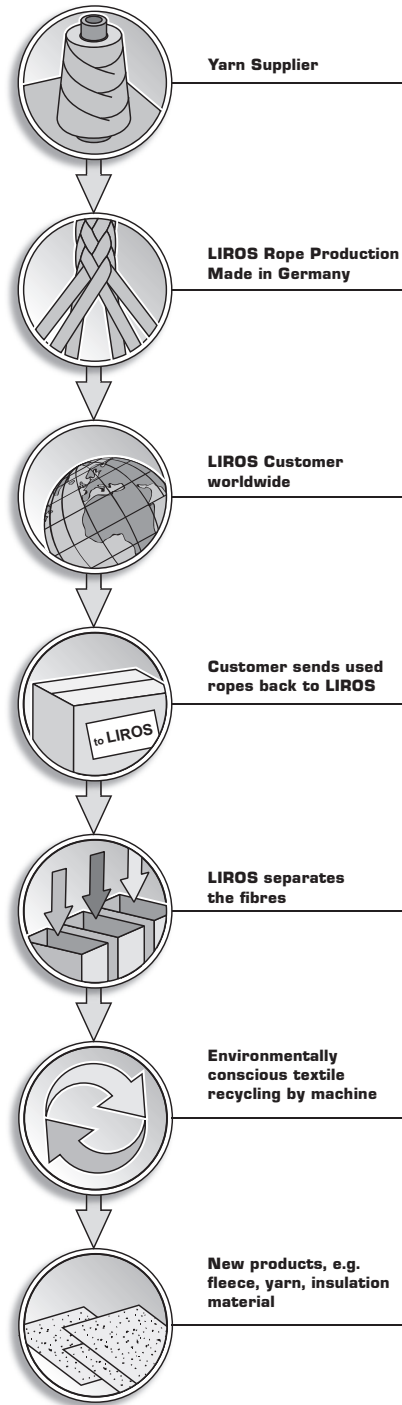


Electrical Mobility

Regional transports are carried out by our electrical LIROS car.

LIROS Recycling

Taking back your used LIROS rope and plastic reels



LIROS CLIMATE PROTECTION





Recommended Line Diameters

Racing										
Sail area (sq. m)	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 plus 02004	6	8	10	12	14	14	14	-	-	-
D-Pro 1505	4	5	6	8	8	9	9	10	12	14
Vectran®-Olympic 4000	6	8	8	10	12	-	-	-	-	-
DynaSoft 2055	5	6	8	-	-	-	-	-	-	-

Cruising										
Sail area (sq. m)	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 plus 02004	6	8	10	12	12	14	14	-	-	-
SuperSheet 1570	-	-	12	12	14	14	14	16	18	18
TopGrip 1540	6	8	10	12	14	14	14	-	-	-
Herkules Colour 00154/01550	6	8	10	12	14	14	14	16	16	18
Top-Cruising 00152	6	8	10	12	14	14	14	16	16	18
Top-Cruising-Colour 01528	6	8	10	12	14	14	14	-	-	-
Prestretch 00121/00122	6	8	10	12	-	-	-	-	-	-
Allround 00151	8	10	12	14	14	16	-	-	-	-
Seastar 00162	6	8	10	12	14	14	16	-	-	-
Seastar Colour 00172	6	8	10	12	14	14	16	18	18	-

For guy ropes, choose a heavier diameter



Note: Always choose the right stopper based on your line's diameter. The wrong stopper size can damage your line.

Recommended Mooring Lines



LIROS usage recommendations

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LIROS Polyester	28
LIROS Nordic	29
Ankerleine	
LIROS Squareline-PES	26
LIROS Handy-Anchor	31

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

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
		Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm
Polyester	Super Yacht Mooring 01300	-	-	-	-	-	-	-	24	24	28
	Porto 00133	10	12	14	16	18	20	22	24	-	-
	Squareline 01047/01049	10	12	14	16	18	20	22	24	26	28
	PES-3-strand 00111/01110	10	12	14	16	18	20	22	24	26	28
	Nordic 01173	12	14	16	18	18	20	22	24	26	28
	Moorex 12 00132	12	14	16	18	20	22	24	26	28	30
Polyamide	Latina 00110	10	12	14	16	18	20	22	22	24	26
	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: 2 lines @ 1.5 x boat-length and 2 lines @ 1.0 x boat-length (m)

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.

LIROS quality lines may be washed in mild detergent on the "gentle" or "delicate" cycle at 30°C, packed in a cotton bag.



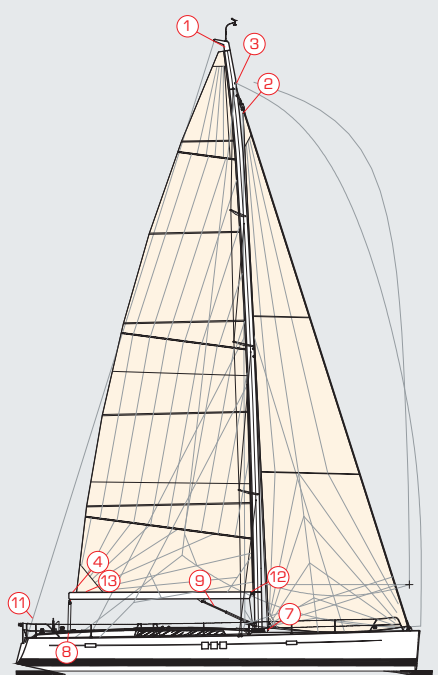
Splicing instructions for LIROS ropes may be found at:
www.liros.com/en/service/downloads/spleissanleitungen.html



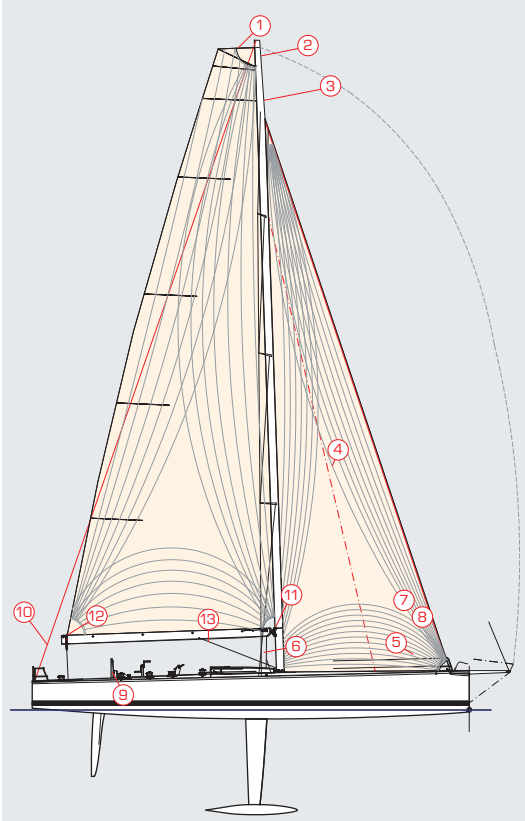
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LIROS usage recommendations



Cruising boat



Racing boat

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

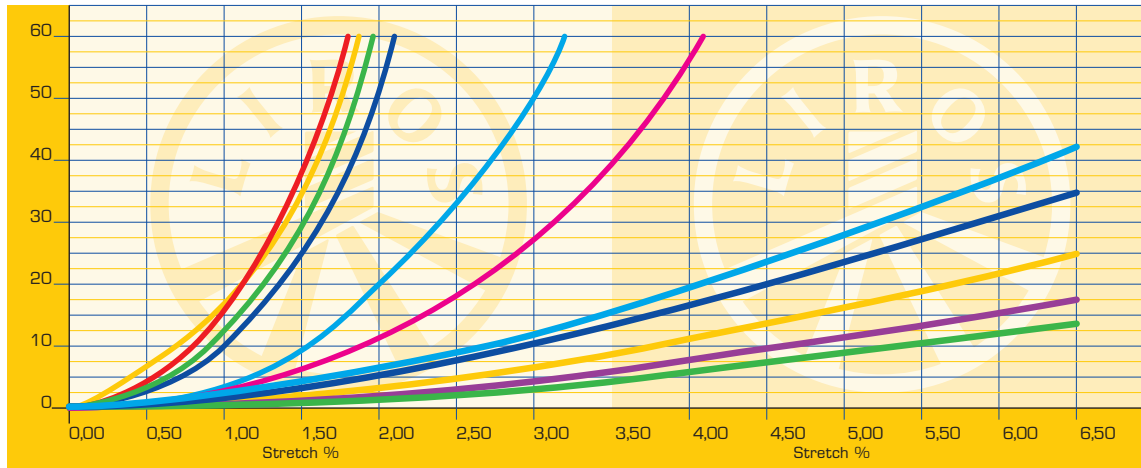
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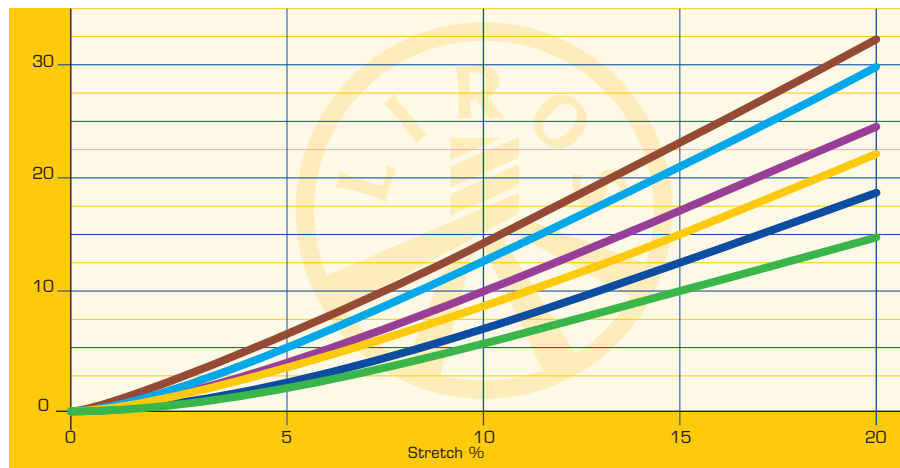
Performance

Cruising



- LIROS V-Force, Liros V-Plus
- LIROS D-Pro
- LIROS Racer Vision, LIROS Racer Hybrid
- LIROS Racer, Regatta 2000
- LIROS Dynamic Plus
- LIROS DynaSoft
- LIROS LIROS Herkules, Herkules Color; TopGrip
LIROS Top Cruising, LIROS Top Cruising Color
- LIROS Seastar
- LIROS Prestretch
- LIROS Allround, Standard
- LIROS Nautic

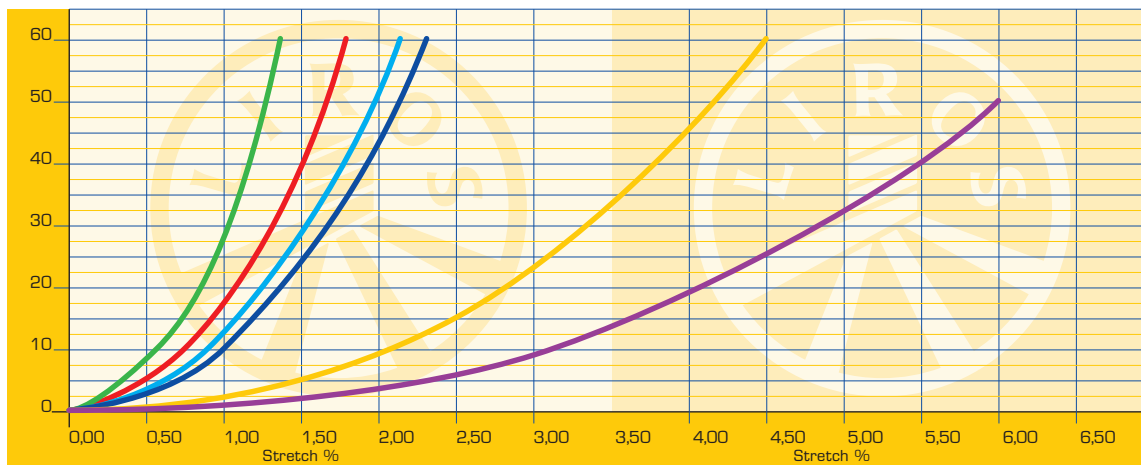
Mooring



- LIROS Squareline PP, LIROS Polyester Rope, LIROS Nautic
- LIROS Polyamidtauwerk
- LIROS Porto, LIROS Super Yacht DB
- LIROS Moorex 12
- LIROS-Squareline Polyester
- LIROS Handy-Elastic

Magic Dinghy Performance

Magic



- LIROS Magic XTR
- LIROS D-Pro
- LIROS Magic Pro, LIROS Magic Race
- LIROS Magic Edge
- LIROS Magic Speed, LIROS Spi, LIROS Magic Vision
- LIROS Magic Sheet








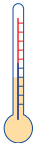
Comparing Summary of Synthetic fibres



PERFORMANCE

	Material							
	Polyamide (PA) 6 und 6.6	Polyester (PES)	High-tenacity Polypropylene multifilament (PP)	Polyethylene (PE)	High-tenacity Polyethylene (HMPE)	Aramid	LCP	PBO
Brand name	Perlon Nylon				Dyneema® Spectra®	Twaron® Kevlar® Technora®	Vectran®	Zylon®
Yarn strength								
cN/dtex	7 – 8	7 – 8.4	ca. 7	ca. 4.5	28 – 38	20 – 25	22 – 25	ca. 37
Specific gravity								
kg/dm³	1.14	1.38	0.91	0.96	0.96	1.44	1.41	1.52
Strength loss due to humidity								
%	5 – 10	0	0	0	0	0	0	0
Water absorption								
%	1 – 7	0.5 – 2	0	0	0	2 – 5	1	0.6
Knot tenacity								
%	60 – 65	55 – 60	55 - 65	50 – 60	35 – 50	30 – 40	30 – 35	35 – 55
Light resistance								
%	good	very good	only good when quipped	good	good	poor	poor	poor
Breaking stretch								
%	16 – 27	10 – 16	12 – 20	15 – 30	3,8	2 – 4	3,3	2,5
Abrasion resistance	very good	very good	fair	fair	good	adequate	good	poor

Reaction of synthetic ropes under different conditions

	Material						
	Polyamid (PA) 6 / 6.6	Polyester (PES)	Polypropylen (PP)	Polyethylen (PE), (HMPE)	Aramid	LCP	PBO
Brand	Perlon Nylon			Dyneema® Spectra®	Twaron® Technora® Kevlar®	Vectran®	Zylon®
 Washing temp. °C	50 – 60	50 – 60	30	30	80 – 90	60	50
Acids (50% concentr.), 25°C/100°C Rest % 	17 / 5 – 10	80 / 0	no reaction	no reaction	partially 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	formic acid & acetic acid at high temp.	phenols, cresols, zinc chloride	minimal reaction	minimal reaction	minimal reaction	minimal reaction	minimal reaction
 Alkali (Leaches)	resistant against weak solutions	resistant against solutions at 20°C; dissolves in solutions at 100 °C	resistant against weak solutions	resistant	partially good resistant	very good resistant	very good resistant
 Insulating Properties	very good; poor conductor	very good	excellent	excellent	excellent	excellent	excellent
Highest temp. Short load approx. °C	130	170	80	70	400	200	550
Range Exposure approx. °C	170	225	140	120	–	–	–
Melting point approx. °C 	215	260	170	150	chars at approx. 500°C	330	chars at approx. 650°C



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