



# Unlimited Rope Solutions

Rope Catalogue  
2022 / 2023





## LIROS Unlimited Rope Solutions

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

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

For this reason LIROS produces innovative, sustainable and customer-optimised rope products – for nearly 170 years.

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.





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## LIROS Green Wave®

Sustainable action and fair, environmental conscious management is one of the biggest challenges of our time.

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

Production and consumption of energy has major ecological and social impacts. As a company we use energy as sparingly as possible whilst also using alternative sustainable and environmentally friendly techniques.

LIROS aims to achieve climate neutrality in all areas of its business.

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

LIROS produces as an outdoor supplier for low environmental impact sports, for example, sailing, paragliding and kiting.

As well as a supplier of extremely lightweight high strength componentry for the industry, LIROS has taken an active part in helping to reduce its CO<sub>2</sub> emissions.



LIROS consistently pursues the goal to ensure fair production conditions and a sustainable management of pollutants and chemicals in the production chain.

In the area of high-tenacity fibres as an example, a special ecological alternative is used, 'bio-based' Dyneema from DSM.

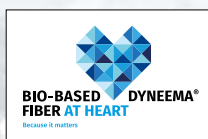


Photo: Paragliding World Cup

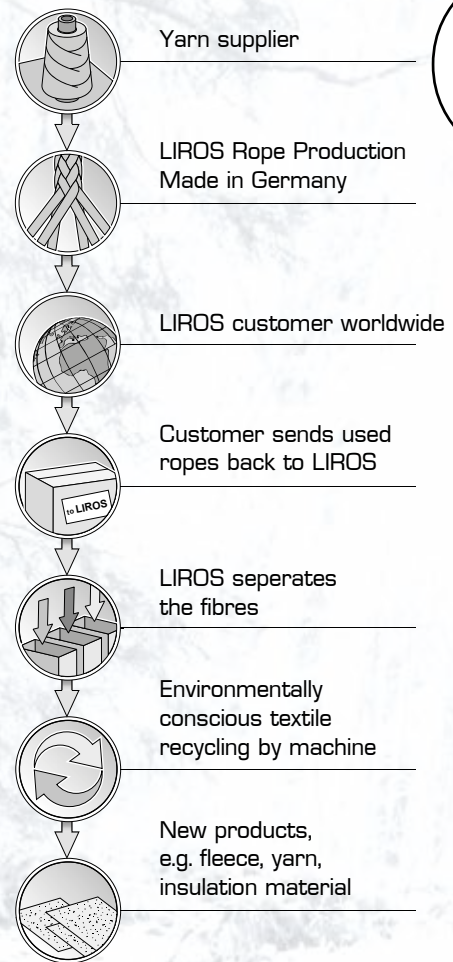
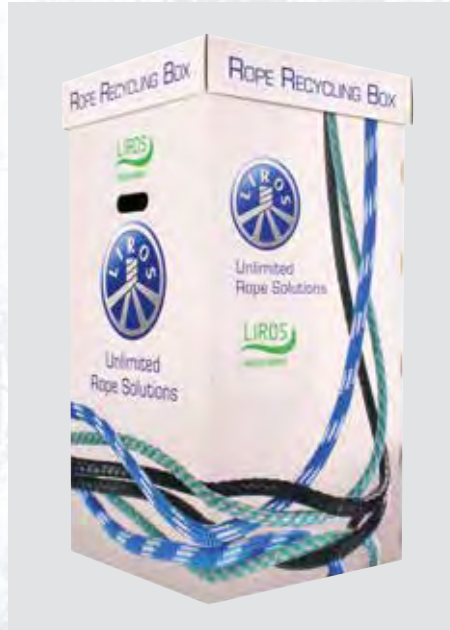


## LIROS Recycling

Recycling of materials saves fossil resources and reduces CO<sub>2</sub> emissions in production of materials.

That's why we offer the **LIROS Recycling-Service** for all products to our customers. We thereby guarantee the environmentally friendly reprocessing of LIROS ropes and are able to ensure orderly recycling.

The **LIROS Rope Recycling Box** provides the opportunity for all LIROS Green Wave specialist dealers, to dispose old LIROS ropes and enter them into the recycling loop.



LIROS GREEN WAVE

## LIROS Photovoltaics

The entire company location in Berg in Upper Franconia with its state-of-the-art machine park is heated by waste heat of a biogas reactor in the neighborhood. An in-house photovoltaic system guarantees a completely CO<sub>2</sub>-free power supply of the rope production with self-generated solar energy.

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







**Latest technology** Essential for producing premium products



**Laboratory** Technical development of unique rope solutions



**Quality control** guarantees continuous quality



**Logistics** EDP-based warehousing for fast order processing

## LIROS HSS

||||||| Heat Stretch System

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

## LIROS LCS

■■■■■■■ LIROS Coating System

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

## LIROS DRS

●●●●●● Dry Rope System

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

**LIROS**  
GREEN WAVE

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

LIROS line optimization systems



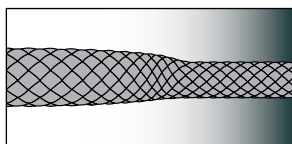
# Unlimited Rope Solutions!

## Quality Made in Germany

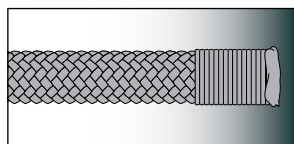
Our LIROS customer service team has solutions for even the most demanding customers/retail, wholesale, or direct-to-industry. We'll provide all the dimensional sizing, working and breaking load information you need to choose the right LIROS product for the job.



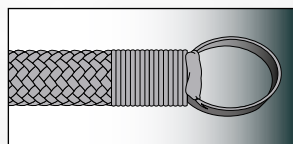
## Individual terminations



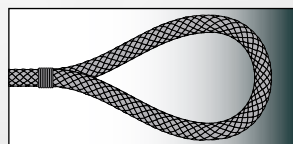
*Tapered*



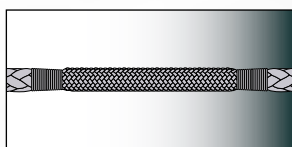
*Whipping*



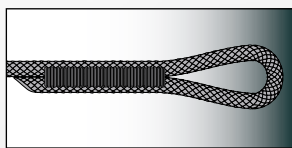
*Pilot eye*



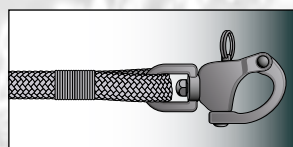
*Eye splice*



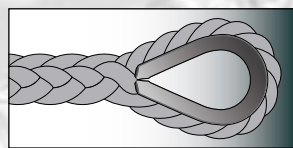
*Protective cover*



*Sewn eye splice*



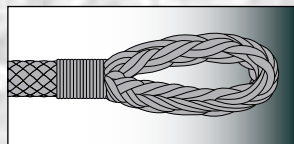
*Shackle*



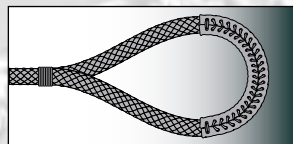
*Thimble*



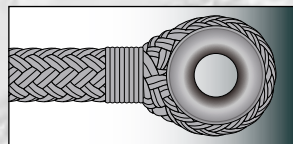
*Continuous splice*



*Stripped eye splice*



*Leather*



*Friction Ring*

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

## LIROS CUSTOMER TEAM SERVICE

Available monday to thursday 7:30am to 5:00pm and friday 7:30am to 3:00pm  
+49 (0) 92 93 / 8002-0 or [info@liros.com](mailto:info@liros.com)

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

**LIROS Control-XTR****02224**

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

- grip factor 10 (page 11)
- maximum grip under extreme winch and stopper conditions
- excellent abrasion resistance
- superior cover-core power transference
- low stretch

**Technora®**  
The power of Aramid



**LIROS HSS**  
LIROS HSS  
**LIROS LCS**  
LIROS LCS

**Cover**

Technora® /  
high-ten. Polyester

**Construction**

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

**Core**

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

Ø mm	Weight g/m	Weight cover g/m	Weight core g/m	Stretch %	Breaking strength kg	Length m
8	44	20	24	< 1,0	6250	200
10	60	27	33	< 1,0	8000	200
12	95	48	47	< 1,0	11200	200
14	131	60	71	< 1,0	14100	150
16	167	72	95	< 1,0	17500	100
18	211	109	102	< 1,0	20400	100
20	234	111	123	< 1,0	23500	100
22	270	135	135	< 1,0	27600	100
24	320	160	160	< 1,0	31500	100

**Colours**

019 Blue-Black



090 Green-Black



178 Red-Black



239 White-Black

**LIROS Runner Vectran®-XTR****04008**

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

- grip factor 8 (page 11)
- XTreme abrasion resistance at high temperatures up to 200°C
- melt resistant cover
- superior cover-core power transference
- lowest stretch, top reliability
- extreme grip applications

**Cover**

100% Vectran®

**Construction**

32-plaited

**Core**

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

**Colour**

705 Beige NF

Ø mm	Weight g/m	Weight cover g/m	Weight core g/m	Stretch %	Breaking strength kg	Length m
6	31	16	15	< 1,0	2800	200
8	53	29	24	< 1,0	6250	200
10	62	29	33	< 1,0	8000	200
12	89	42	47	< 1,0	11200	200
14	144	71	73	< 1,0	14100	150
16	199	102	97	< 1,0	17500	100

**Vectran™**

**LIROS HSS**  
LIROS HSS  
**LIROS LCS**  
LIROS LCS





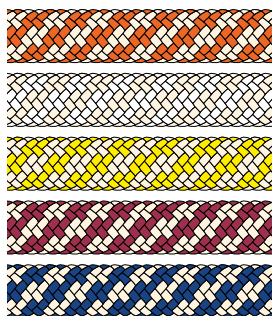
## LIROS Racer-XTR

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-Steelblue

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

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

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

**Core** Dyneema® SK78 with  
XTR-Grip-Coating Silver



Vectran™



## LIROS D-Pro-XTR

01514

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

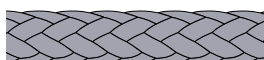
- XTreme high breaking load
- grip factor 3 (page 11)
- extremely low stretch
- very light weight
- easy to splice
- no water absorption
- easy to cover with Protect-XTR (see page 10)

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	18000
16	131	< 1,0	22400
18	166	< 1,0	28000

**Material** Dyneema® SK99

**Construction** 12-plaited

### Colour



205  
Silver



XTREME

**LIROS Slide Protect XTR****10148**

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

- *grip factor 3 (page 11)*
- *very easy to splice*
- *best abrasion resistance and cut resistance*

**Material**

Dyneema® SK78 with XTR-Coating

**Colour**674  
Deep Black

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

**LIROS Grip Protect XTR****04500**

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

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

**Material**

Technora® dope dyed Black

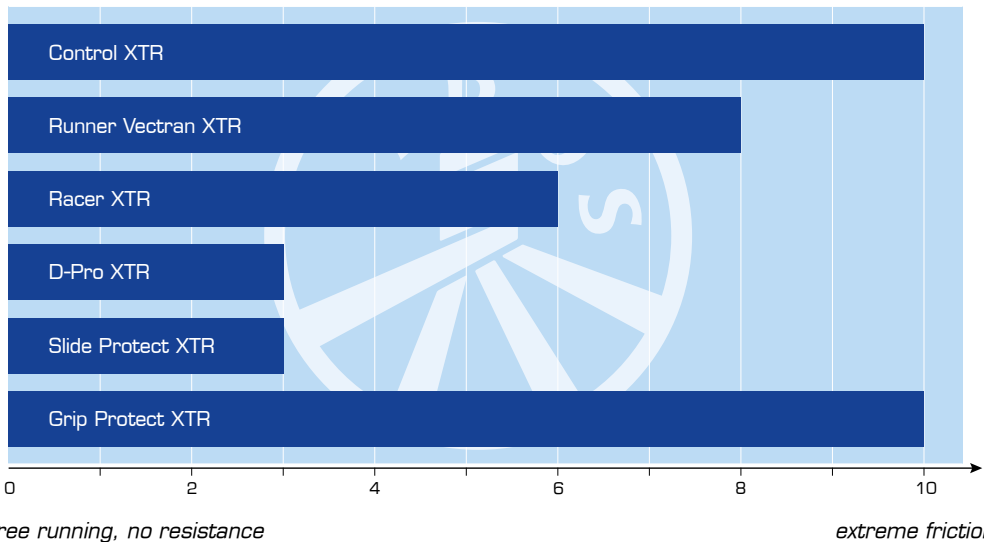
**Colour**188  
Black

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





## LIROS XTReMe technology



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

LIROS XTR ropes deliver best results even under toughest conditions.



## LIROS Racer-Hybrid

02026

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

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

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



**Vectran™**

**LIROS HSS**  
with H.S.S. HeatStretch System  
**LIROS LCS**  
LIROS Coating System

**Cover** 50% Vectran® / 50% Polyester

**Core** Dyneema® XTR-Grip-Coating Silver

**Construction** 6 mm 16-plaited  
8 mm 24-plaited  
10 mm and up 32-plaited

### Colours



419  
Beige-Orange

263  
Beige-Steelblue



422  
Beige-Burgundy

262  
Beige-Silver



549  
Beige-Black

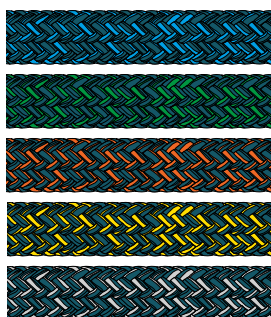
## LIROS Racer Vision

02027

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

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

### Colours



212  
Steelblue-Blue  
353  
Steelblue-Green  
704  
Steelblue-Orange  
707  
Steelblue-Neon Yellow  
774  
Steelblue-Silver

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

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



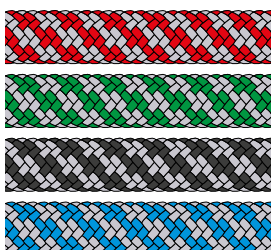
## LIROS V-Force

04000

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

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

### Colours



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

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

<b>Cover</b>	Polyester high-twisted		
<b>Construction</b>	3–5 mm	16-plaited	
	6–8 mm	24-plaited	
	10mm and up	32-plaited	
<b>Core</b>	Vectran®, 8 mm and up with additional cover plait		







## LIROS Regatta 2000

02000

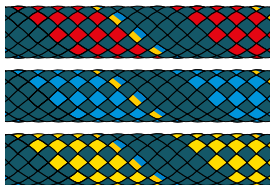
Very low-stretch line for halyards, spinnaker and genoa sheets. An extremely light and durable high-performance rope with abrasion resistant braided cover and inner cover. Specialised core of coated Dyneema® SK78.

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

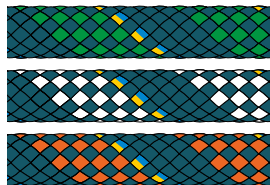


<b>Cover</b>	Special Polyester high-twisted	
<b>Construction</b>	2–3mm	16-plaited
	4mm and up	1:1 plaited
<b>Core</b>	Coated Dyneema® SK78, 8mm and up with additional cover plait	

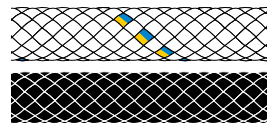
### Colours



354 Steel-blue-Red  
212 Steel-blue-Blue  
352 Steel-blue-Yellow



353 Steel-blue-Green  
213 Steel-blue-White  
704 Steel-blue-Orange



228 White  
525 Black NF



## LIROS Racer

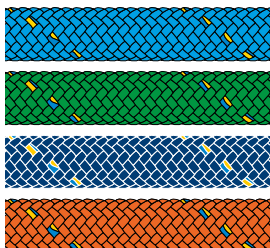
02001

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

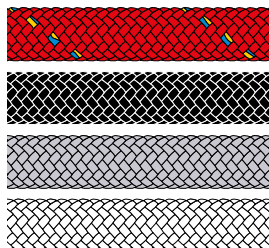
- working stretch < 1,5%
- high breaking load, easy handling and non-kinking
- for halyards and sheets
- very good winch suitability
- LIROS Heat-Stretch-System



### Colours



010 Blue  
086 Green  
130 Marine  
150 Orange



171 Red  
525 Black NF  
529 Silver NF  
542 White NF

### Cover

Polyester high twisted

### Construction

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

### Core

Coated Dyneema® SK78  
with additional cover plait

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	12600	150	100
18	15300	180	100
20	18500	236	100
22	20000	282	100
24	23000	321	100

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





## LIROS Dynamic Color / Plus 02028 / 02004

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

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



### Colours 02028

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

### Colours 02004

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

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

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

### Core

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

## LIROS Max Load System (MLS)

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

- Premium workmanship
- Product information see above



### Colours



021  
Blue-White



179  
Red-White

### Halyard (Main, Genoa, Spi)

Reference	Ø mm	Length m	Attachment / halyard shackle	Breaking strength kg	Boat Size ft
02028-0830	8	30	pilot eye / spliced Wichard 81433	1800	22–29
02028-1035	10	35	pilot eye / spliced Wichard 81434	2400	30–36
02028-1240	12	40	pilot eye / spliced Wichard 81434	3800	37–42

### Sheet (Spi, Genoa)

Reference	Ø mm	Length m	Attachment / snap shackle	Breaking strength kg	Boat Size ft
02028-0825	8	25	whipping / spliced Wichard 2473	1800	22–36
02028-1025	10	25	whipping / spliced Wichard 2475	2400	37–40
02028-1230	12	30	whipping / spliced Wichard 2475	3800	40–42



halyard shackle

snap shackle



## LIROS D-Pro

01505

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

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

**Material** Coated Dyneema® SK78

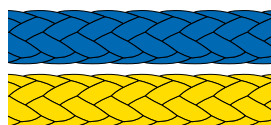
**Construction** 12-plaited, heat-set and coated

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

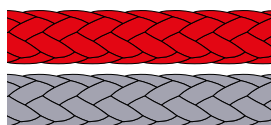


Not certified for lifting loads and personal security!

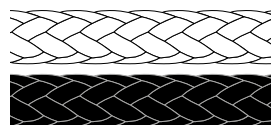
### Colours



010  
Blue  
059  
Yellow



171  
Red  
205  
Silver



228  
White  
674  
Deep Black (2 and up)



## LIROS D-Pro Vision

01508

The new LIROS D-Pro Vision made of 100% Dyneema® SK78 with extremely high breaking loads at lowest weight! Best differentiation in all applications – whether as high-strength winch rope in industrial use or as universally useable watersports line. High UV-stability combined with best abrasion resistance and highest breaking loads at lowest weight guarantee best safety in practical use. First choice for replacing steel ropes in sports and industrial use.

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

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
3	950	4,6	100
4	1300	7	100
5	2600	13	100
6	4300	23	100
8	5300	35	100
10	9000	60	100



**Material**  
Coated Dyneema® SK78

**Construction**  
12-plaited, heat-set and coated

### Colours



019  
Blue-Black



065  
Yellow-Black



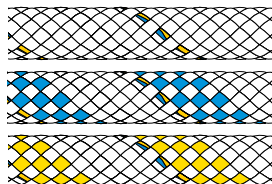
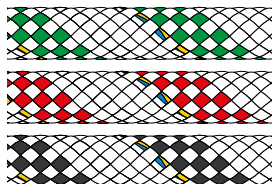
178  
Red-Black



**LIROS Herkules****00154**

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

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

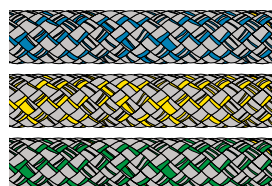
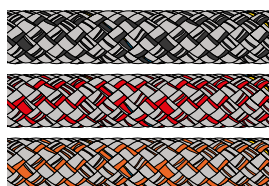
**Colours**228  
White229  
White-Blue231  
White-Yellow232  
White-Green236  
White-Red239  
White-Black

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-strength Polyester plaited**LIROS Herkules Vision****01552**

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

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

**Colours**076  
Silver-Blue080  
Silver-Yellow081  
Silver-Green083  
Silver-Black386  
Silver-Red555  
Silver-Orange

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

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



## LIROS Herkules Color

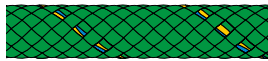
**01550**

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

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



### Colours

171  
Red010  
Blue059  
Yellow705  
Beige NF086  
Green188  
Black130  
Navy529  
Silver NF

Ø mm	Breaking strength kg	Length of spool m
4	400	250
5	650	250
6	800	200
8	1600	200
10	2500	200
12	3500	200
14	4500	150
16	5000	100
18	6300	100
20	7000	100
22	8000	100
24	9000	100

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

## LIROS Top Grip

**01540**

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

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

### Colours

229  
White-Blue232  
White-Green236  
White-Red239  
White-Black

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

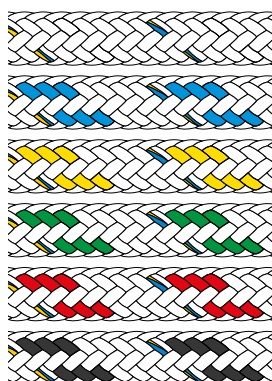
**Cover** Polyester grip fibre and high-tenacity, spun-dyed Polyester**Construction** 1:1 plaited**Core** high-strength Polyester plaited



**LIROS Top-Cruising****00152**

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

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

**Colours**

228  
White

229  
White-Blue

231  
White-Yellow

232  
White-Green

236  
White-Red

239  
White-Black

**Cover**

high-strength Polyester

Ø mm	Breaking strength kg	Length of spool m
4	450	250
5	780	250
6	1100	200
7	1300	200
8	1800	200
10	2700	200
12	3200	200
14	3800	150
16	6100	100
18	6900	100
20	9700	100

**Construction**

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

**Core**

high-tenacity braided Polyester

**LIROS Top-Cruising-Color****01528**

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

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

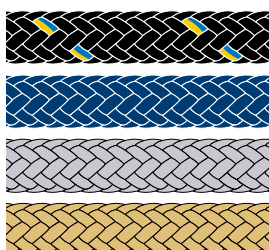
**Colours**

010  
Blue

059  
Yellow

086  
Green

171  
Red



188  
Black

523  
Navy NF

529  
Silver NF

705  
Beige NF

Ø mm	Breaking strength kg	Length of spool m
4*	450	250
5*	780	250
6	1100	200
8	1800	200
10	2700	200
12	3200	200
14	3800	150

\* These diameters are only available in colours 010, 059, 086 and 171.

**Cover**

spun-dyed Polyester

**Construction**

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

**Core**

high-tenacity braided Polyester

## LIROS Allround

00151

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

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

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

### Colours



229  
White-Blue



236  
White-Red



232  
White-Green

### Cover

Polyester

### Construction

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

### Core

high-tenacity braided Polypropylene multifilament



## LIROS Seastar

00162 / 00172 / 00173

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

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

Ø mm	Breaking strength kg	Length of spool m
5	300	250
6	520	200
8	1000	200
10	1900	200
12	2400	200
14	2900	150
16	3400	100
18	4300	100

### Colour 00162



228  
White

### Colour 00173



546  
Hemp NF

### Colours 00172



010  
Blue



171  
Red



086  
Green



188  
Black



### Cover

Polyester yarn matt

### Construction

Ø 5 mm 8-plaited  
Ø 6–8 mm 16-plaited  
Ø 10–12 mm 20-plaited  
Ø 14 mm and up 24-plaited

### Core

high-tenacity braided Polyester





## LIROS Standard

01082

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

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

### Colours



229  
White-Blue



236  
White-Red

### Cover

matt Polyester yarn

### Construction

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

### Core

high-tenacity braided Polypropylene

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



## 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 – 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 1-5 mm (NF)



525  
Black



526  
Blue



527  
Green



530  
Red



536  
Yellow



539  
Orange



541  
Grey



543  
Brown

### Colours Ø 6-16 mm



010  
Blue



059  
Yellow



086  
Green



150  
Orange



171  
Red



188  
Black



541  
Grey NF



543  
Brown NF

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

### Material

Polypropylene multifilament

### Construction

8-plaited

**LIROS Reflecta****02100**

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

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

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

**Colour**

059  
Yellow

**Material**

Polypropylen multifilament with reflective fleck

**Construction**

8-plaited

**LIROS Prestretch****00121 / 00122**

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

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



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

**Colour 00121**

228  
White

**Colours 00122**

188  
Black



228  
White

**Material**

Polyester heat-set

**Construction**

**00121** twisted 3-strand

**00122** 8-plaited








## LIROS Super Yacht Mooring 01300

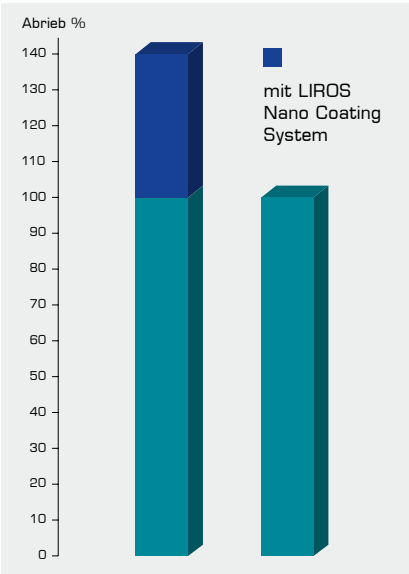
LIROS Super Yacht Mooring is a mooring line developed for superyachts up to 200 feet. Flexible core provides the best in safety, while the specialised LIROS cover delivers premium comfort. Our high end LIROS version with eye splice and protective leather chafing guard available upon request in individual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

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

<b>Cover</b>	Polyester high-twisted dope dyed
<b>Construction</b>	24-plaited, coated
<b>Core</b>	high-tenacity braided Polyester



<b>Colours</b>	
	130 Navy
	188 Black
	308 Dark Grey



Abrasion testing in LIROS labs

Reference	Ø mm	Boat size * ft	Breaking strength kg	Weight g/m
01300-2400	24	70 to 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 yachts heavier than average, choose the next larger diameter



Leather chafing guard



100% hand-sewn, Made in Germany



Premium whipping

**LIROS Handy-Elastic****00136 / 00137**

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

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

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

**Colours 00136**142  
Navy-Yellow188  
Black**Colour 00137**289  
White-Black-Red**Cover**

high-strength Polyamide

**Construction**

1:1 plaited

**Core**

high-elastic braided Polyamide

**LIROS Handy-Elastic pre spliced**

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

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



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

**Colours 00136**142  
Navy-Yellow188  
Black**Colour 00137**289  
White-Black-Red





## 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*
- *highly UV-stable*
- *high strength and excellent abrasion resistance*

**Cover**

Polyester high twisted

**Construction**

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

**Core**

high-strength Polyester braid

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

**Colours**

130  
Navy



188  
Black



239  
White-Black



529  
Silver



## LIROS Porto pre spliced

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

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



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

**Colours**

130  
Navy



188  
Black



239  
White-Black



529  
Silver

**NEW**

## LIROS Holiday

**01083**

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

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

Ø mm	Breaking strength kg	Length of spool m
10	1500	200
12	2100	200
14	2800	150
16	3200	100



### Colour



381  
Black-Silver

### Material

spun dyed Polypropylene multifilament

### Construction

16-plaited



## LIROS Bumperline

**01079**

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

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

### Colour



130  
Navy



### Material

spun dyed Polypropylene multifilament

### Construction

8-plaited square braiding

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







## LIROS Squareline-PES

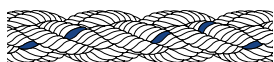
**01047 / 01049**

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

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



### Colour 01047



229  
White-Blue

### Colours 01049



130  
Navy



188  
Black

### Material

high-strength Polyester

### Construction

8-plaited Octoplait

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

## LIROS Squareline-PP

**01078 / 01079 / 01080**

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

- *working stretch > 15%*
- *floats*
- *low water absorption*



### Material

high-strength Polypropylene multifilament

### Construction

8-plaited Octoplait

### Colour 01078



228  
White

### Colour 01079



010  
Blue

### Colour 01080



188  
Black

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

## LIROS-Fender Line

**01580**

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

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

### Colours



130  
Navy



188  
Black

### Material

high-tenacity black Polyester

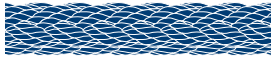
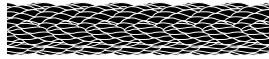
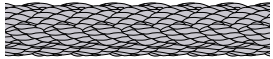


**LIROS Moorex 12****00132**

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

**Colours**130  
Navy188  
Black529  
Silver**Material**

high-strength Polyester

**Construction**

12-plaited

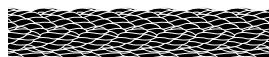
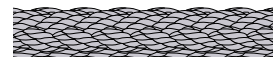
**LIROS Moorex 12 pre spliced**

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

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



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

**Colours**130  
Navy188  
Black529  
Silver





## LIROS Polyester Rope

00111 / 01110

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



228  
White

### Material

high-strength Polyester

### Construction

3-strand, heat-set

### Colours 01110



130  
Navy



188  
Black

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



## LIROS Polyester Rope pre spliced

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

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



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

### Colour 00111



228  
White



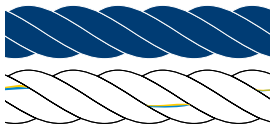
## LIROS Polyamide Rope

**00110**

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

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

### Colours



130  
Navy  
228  
White



**Material** high-strength Polyamide

**Construction** 3-strand, heat-set

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



## LIROS Lirolen

**01120 / 01123 / 01126**

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

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

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



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

### Colour 01120



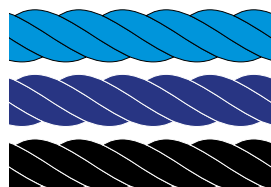
228  
White

### Colour 01126



705  
Beige NF

### Colours 01123



010  
Blue  
130  
Navy  
188  
Black

### Material

high-strength Polypropylene multifilament

### Construction

3-strand, heat-set





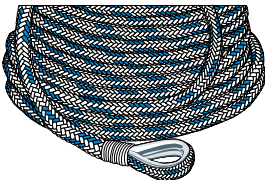
## LIROS Handy-Ancor

01320

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

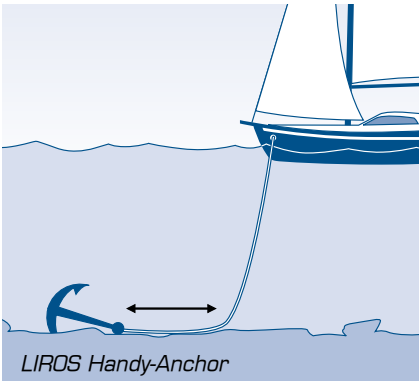
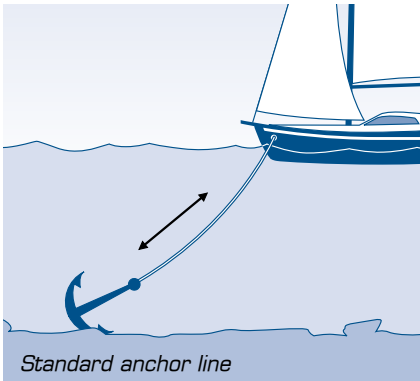
- can be used without chain
- super easy to handle
- very simple to stow
- attractive LIROS kitbag

### Colour



229  
White-Blue

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



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

Ø mm	Breaking strength kg	Length of spool 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
16	4000	50	13,5

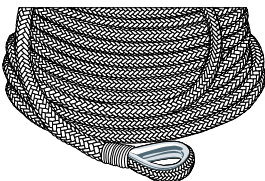
## LIROS Winch-Master

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

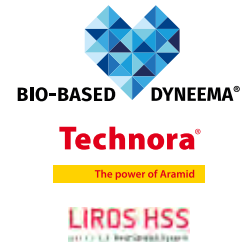
**All lengths have integrated lead weighting and S/S thimble.**

**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*
- *LIROS Heat-Stretch-System*

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

**Colours**

231  
White-Yellow



239  
White-Black

**Cover**

Technora® / Dyneema® Mix

**Construction**

4–5 mm 16-plaited  
6 mm 24-plaited

**Core**

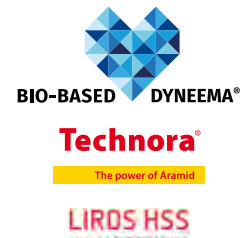
Dyneema® SK78 with  
LIROS XTR Grip Coating

**LIROS Magic Control XTR****02024**

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

- *working stretch < 1,0%*
- *coated core*
- *very resistant and handy*
- *minimum stretch*
- *LIROS Heat-Stretch-System*

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

**Colours**

090  
Green-Black



178  
Red-Black



239  
White-Black



652  
Neon Yellow-Black

**Cover**

Technora® / Polyester

**Construction**

24-plaited

**Core**

Dyneema® SK78 silver with  
LIROS XTR Grip Coating





## LIROS Magic Pro

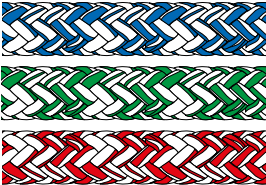
01507

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

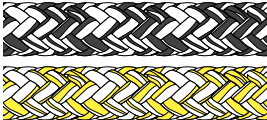
- working stretch < 1,5%
- grip factor 9 (page 11)
- precise cover construction for excellent hold in cleats and winches
- ideal for cover-stripping
- LIROS Heat-Stretch-System for lowest stretch

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

### Colours



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



239  
White-Black  
501  
White-Neon Yellow

### Cover

Polyester grip fibre /  
spun-dyed Polyester mix

### Construction

16-plaited

### Core

Dyneema® SK78 with coloured  
LIROS XTR Grip Coating



## LIROS Magic Edge

01502

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

- working stretch < 1,0%
- coated core
- resistant and handy construction
- low elongation
- 1,5–2 mm single-coloured
- LIROS Heat-Stretch-System

Ø mm	Breaking strength kg	Length of spool m
1,5	125	100
2	250	100
3	420	100
4	580	100
5	1050	100
6	1800	100
7	2300	100

### Colours



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



198  
Black-Pink  
199  
Black-Red  
381  
Black-Silver

### Cover

Spun dyed Polyester

### Construction

1,5–5 mm 16-plaited  
6 mm and up 1:1 plaited

### Core

Dyneema® SK78 silver with  
LIROS XTR Grip Coating

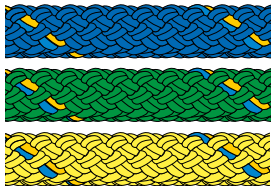


**LIROS Magic Race****02016**

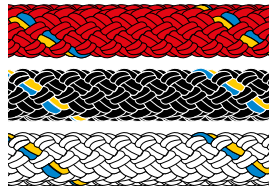
Extremely low stretch, compact, and abrasion resistant braid with high-strength Dyneema® core.

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

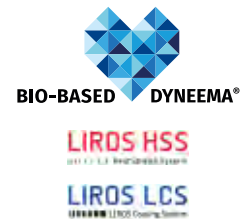
Ø mm	Breaking strength kg	Length of spool m
2	270	100
2,5	390	100
3	550	100
4	800	100
5	1100	100

**Colours**

010  
Blue  
086  
Green  
123  
Neon Yellow



171  
Red  
188  
Black  
228  
White

**Cover**

special high-twisted Polyester

**Construction**

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

**Core**

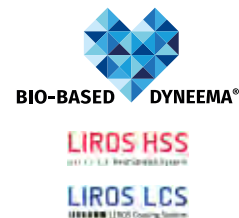
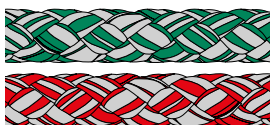
Dyneema® SK78 coated

**LIROS DynaSoft****02055**

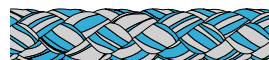
LIROS DynaSoft combines the best grip, the lightest weight, and the lowest stretch. Combination braid of high-strength Polyester grip fibres and Dyneema®. Almost kink free rope, which has been achieved through thermal treatment of the rope. Ideal for dinghy sheets and regatta halyard leads.

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

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

**Colours**

081  
Grey-Green  
386  
Grey-Red



504  
Grey-Turquoise

**Material**

Ideal hybrid of Dyneema® SK78 and Polyester grip fibres

**Construction**

8-plaited with core





## LIROS Magic Sport

01517

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

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



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

### Colours



781  
Neon Yellow-White



771  
Neon Yellow-Silver



417  
Neon Yellow-Pink



773  
Neon Yellow-Blue

### Cover

spun dyed Polyester

### Construction

16-plaited

### Core

high-strength Polyester

## LIROS Magic Sheet

01506

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

- *working stretch < 8%*
- *great in turning blocks, fastest manoeuvres*
- *very compact non splice construction*



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

### Colours



404  
White-Silver



405  
White-Marine



406  
White-Orange



428  
White-Pink

### Cover

Polyester grip fibre /  
spun-dyed Polyester mix

### Construction

16-plaited

### Core

Polypropylene high-strength plaited



## LIROS Spi Pro

**02049-0000**

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

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

**Cover**

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

**Core**

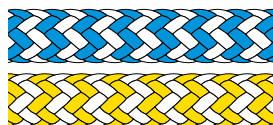
braided Dyneema® SK78

Also available as

**Opti-Design**

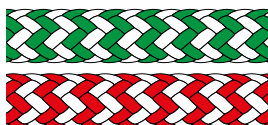
6-9-6 mm in lengths of  
1,5 - 2,5 - 3 m available.

Reference: 02042-0100

**Colours**

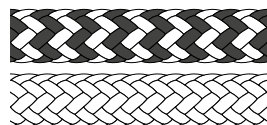
021  
Blue-White

067  
Yellow-White



092  
Green-White

179  
Red-White

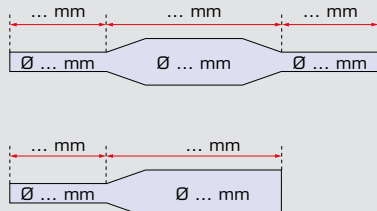


204  
Black-White

542  
White NF

**Required order specifications:**

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

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

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

## LIROS Spi

**02049**

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

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

**Colours**

092  
Green-White

179  
Red-White



542  
White NF

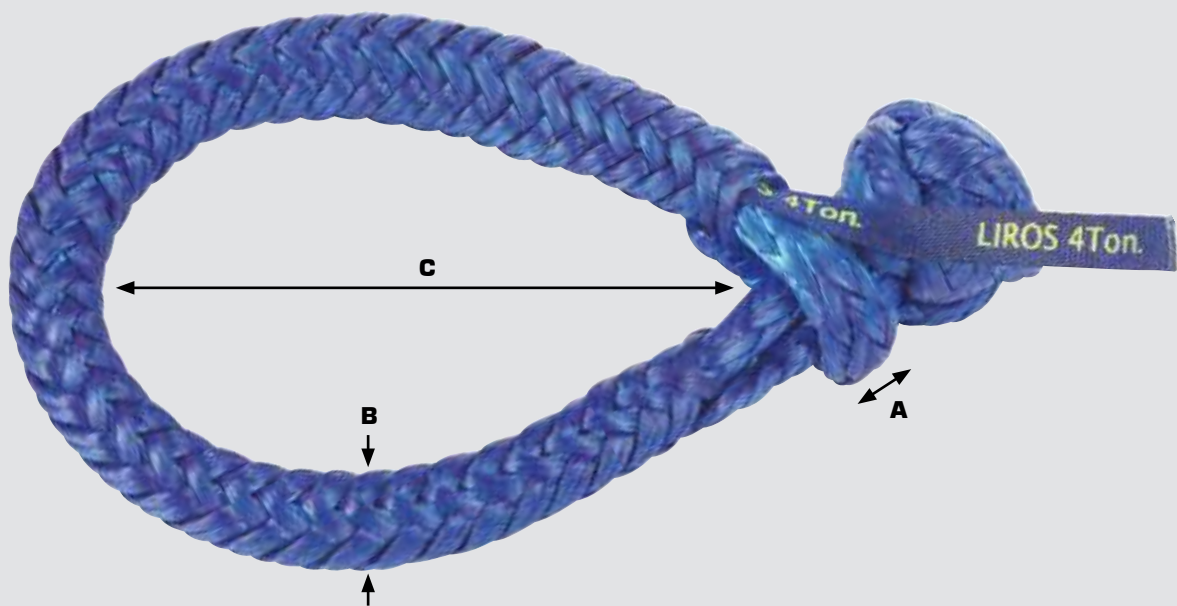
**Cover**

high-grip matt Polyester with Dyneema® SK78

**Core**

Dyneema® SK78 plaited

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



### LIROS Soft Shackle

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

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



Material Dyneema® SK78

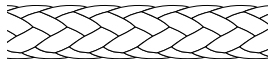
#### Colours



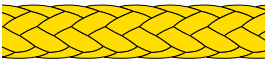
010  
Blue



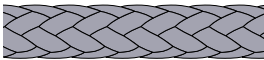
171  
Red



228  
White



059  
Yellow



205  
Silver



674  
Deep Black



086  
Green

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

\* All sizes also available in deep black or silver!

\*\* SWL = Safe Work Load



Not certified for lifting loads and personal security!





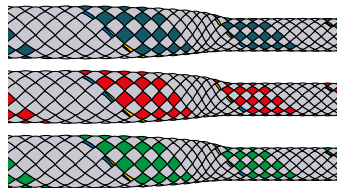
## LIROS Taper Pro

02010

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

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

### Colours



403  
Silver-Steelblue  
423  
Silver-Red  
424  
Silver-Green

### Cover

high-tenacity Polyester

### Construction

1:1 plaited

### Core

Dyneema® SK78 with additional cover plaiting

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

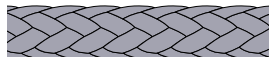


## LIROS D-Loop

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

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

### Colour

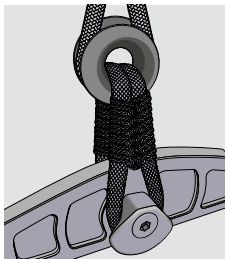


205  
Silver

### Application examples



single



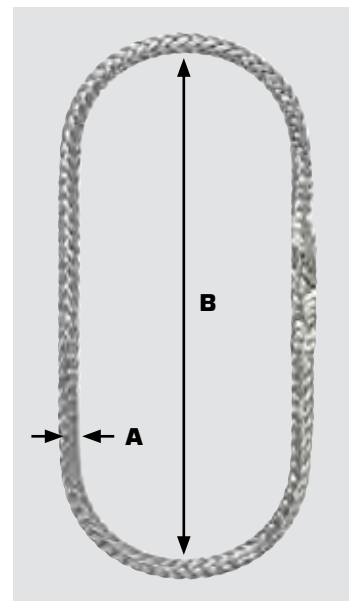
double



looped



LIROS HSS  
LIROS LCS



### Material

Dyneema® SK99

### Construction

16-plaited, coated

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



Not certified for lifting loads and personal security!

\*SWL = Safe Work Load

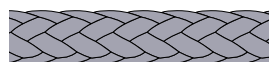
**LIROS D-Pro Static****01504**

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

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



Ø mm	Weight g/m	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

**Colour**

205  
Silver

**Material**

Dyneema® DM20

**Construction**

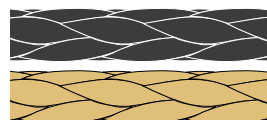
12-plaited

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

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

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

Ø mm	Weight g/m	Stretch %	Breaking strength kg
2	3	< 1	400
3	7	< 1	1100
4	10	< 1	1500
5	22	< 1	3000
6	32	< 1	5000
8	48	< 1	6800

**Colours**

188  
Black  
220  
Natural

**Material**

100% Vectran® with LCS Coating

**Construction**

12-plaited

**Vectran™**

**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*

**Colour**188  
Black

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

**Cover**

Polyester

**Construction**

16-plaited

**Core**

Aramid with braided monofilament

**LIROS Leach Line****01046**

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

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

**Colour**228  
White

Ø mm	Length of spool m	Ø mm	Length of spool m
2	250	5	250
2,5	250	5,5	250
3	250	6	200
3,5	250	7	200
4	250	8	200
4,5	250	9	200

**Cover**

low-shrink Polyester

**Construction**

16-plaited

**Core**

Polyester

**NEW****LIROS LSP Furler Line****01546**

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

- *Stretch < 5 %*
- *High resistance to bending*
- *Abrasion resistant and UV-stable*

**Colour**239  
White-Black

Ø mm	Length m	Breaking strength kg
8	20	1700
8	25	1700
10	25	2700
10	28	2700
12	40	3200

**Cover**  
Polyester**Core**  
Polyester**Construction**  
8 mm  
10–12 mm20-plaited  
24-plaited





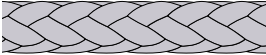
# LIROS Lazy Jack

01532

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

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

## Colour



529  
Silver NF

## 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 strength.

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

## Colour



228  
White



## Material

Dyneema® SK78

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
4	800	100
6	2500	100
8	3800	100



## 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



Ø mm	Breaking strength kg	Length of spool m
2	95	500
3	185	500
4	320	500
5	680	250
6	940	200

**Cover**

Polyester

**Construction**

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

**Core**

low-shrinkage Polyester

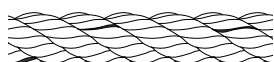


## LIROS Bolt Rope

**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



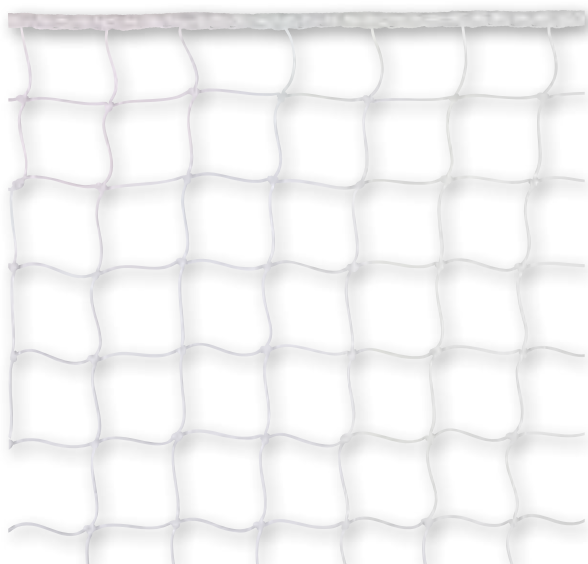
Ø mm	Length of spool m
5	250
6	200
7	200
8	200
9	200
10	200
11	200
12	200

**Material**

low-shrinkage Polyester

**Construction**

3-strand



## LIROS Safety Netting

**02040-0001-228**

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

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



Detail view



## LIROS Shock Cord

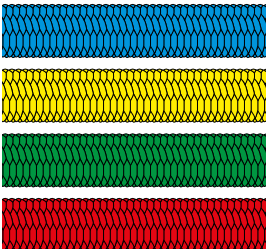
00190

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.

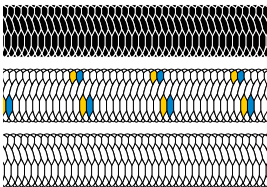
- round, abrasion-resistant construction
- also available in industrial bulk quantities
- Made in Germany
- individual adjustment in terms of colour possible

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

### Colours



010  
Blue  
059  
Yellow  
086  
Green  
171  
Red



188  
Black  
228  
White  
542  
White NF

### Cover

Polyester

### Construction

3–8 mm 16-plaited  
10–14 mm 24-plaited

### Core

premium Latex

## LIROS Stretch XTR

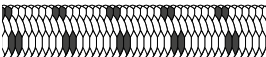
00199

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

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

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

### Colour



239  
White-Black



### Cover

Dyneema®

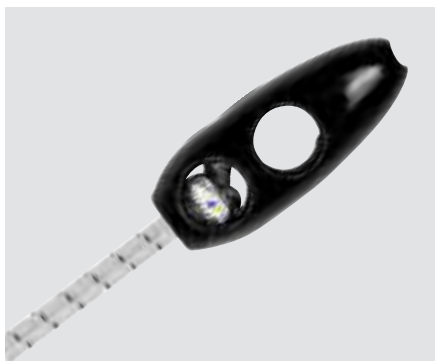
### Construction

16-plaited

### Core

high quality Latex rubber





## LIROS Quick Clip + Shock Cord

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

Reference	Ø mm	Länge cm	Reference	Ø mm	Länge cm
01905-4050	4	50	01907-8100	7	100
01905-5070	5	70	01907-8140	7	140



## LIROS Quick Clip

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

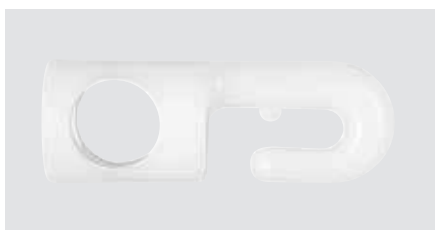
01905-0000	single	01905-0001	Five pieces in PE bag
01907-0000	single	01907-0001	Five pieces in PE bag



## LIROS Elastic Straps

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

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



## LIROS Nylon Hook

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

Reference	Ø mm
01294-0400-228	4



## LIROS Nylon-Carabine Hook

Reference	Ø mm
01194-0400-228	4
01196-0600-228	6
01198-0800-228	8

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



## LIROS Sail Ties

**00187-2525-229**

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

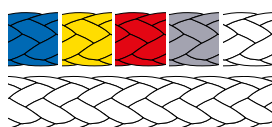
- 5 pieces in LIROS Netbag
- length: 2m

**Material**

pre-stretched, coated Dyneema® SK78

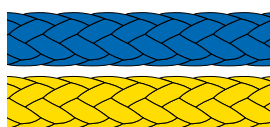
**Construction**

12-plaited

**Colours**

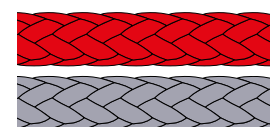
054  
Selection

228  
White



010  
Blue

059  
Yellow



171  
Red

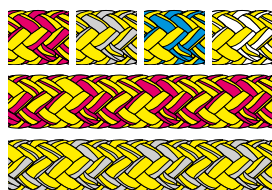
205  
Silver

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

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

- *very strong and abrasion resistant*
- *UV resistant and spliceable*

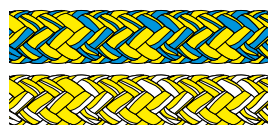
Reference	Ø mm	Breaking strength kg	Number of spools / length
01505-0002	2	410	10 x 30m
01505-0003	3	950	10 x 15m
01505-0004	4	1300	5 x 10m

**Colours**

054  
Selection

417  
Neon Yellow-Pink

771  
Neon Yellow-Silver



773  
Neon Yellow-Blue

781  
Neon Yellow-White

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

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

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

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

**Cover**

spun dyed Polyester

**Construction**

16-plaited with core

**Core**

Polyester





## 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*



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

**Material** coloured Polyester

**Construction** 16-plaited with core



## LIROS Braided Polyester Line 01040

Braided high-strength Polyester.

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

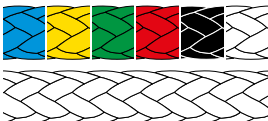


Reference	Ø mm	Breaking strength kg	Number of spools / length
01040-0002	2	100	10 x 30m
01040-0003	3	200	10 x 15m
01040-0004	4	330	5 x 10m

**Material** high-strength Polyester

**Construction** 8-plaited

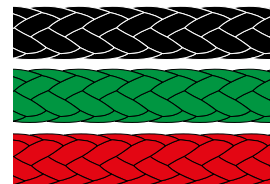
### Colours



054  
Selection  
228  
White



010  
Blue  
059  
Yellow



188  
Black  
086  
Green  
171  
Red



## LIROS Classic

01172

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

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



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

**Material** spun polyester yarn

**Construction** 3-strand

### Colour



546  
Hemp NF





# LIROS Whipping Twine / Sewing Thread

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

All whipping twine also available in bulk 500m spools.

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

## LIROS Dyneema® Waxed Whipping Twine

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



## LIROS Optisail 02056

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

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

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

**Colour**

199  
Black-Red

**Cover**  
Polyester

**Construction**  
16-plaited with core

**Core**  
Dyneema® SK78

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



## LIROS DC Pro

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

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

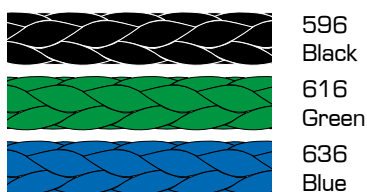
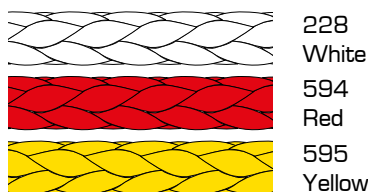
Reference	app. Ø mm	Breaking strength kg	Length of spool* m
DC 000-0161	0,83	170	1000
DC 000-0201	1,10	230	1000
DC 000-0301	1,30	325	1000
DC 000-0401	1,55	490	1000
DC 000-0701	2,00	730	1000



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

Not all colours available in all diameters.

### Colours



**Material** pre-stretched, coated  
Dyneema® SK99

**Construction** 12-plaited

Please find Polyester cover to strengthen splices on page 48.

## LIROS DC

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

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

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

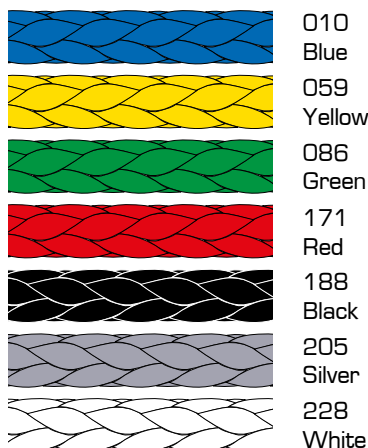


\* LIROS Flightsport lines may come six pieces to a spool. No line will be shorter than 25m.

Not all colours available in all diameters.

\*\* DC 000-0035 only available in 228 White and 659 Orange.

### Colours



**Material** pre-stretched, coated Dyneema® SK75

**Construction** 12- and 16-plaited

Please find Polyester cover to strengthen splices on page 48.



## LIROS PC

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

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

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



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

### Colours



086  
Green



188  
Black



171  
Red

**Material**      hollow-braided Polyester

## LIROS Bridle Line

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

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

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



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

### Colour



188  
Black



**Cover**      high-strength Polyester

**Construction**      12-plaited

**Core**      Dyneema® plaited





## LIROS DePower Lines

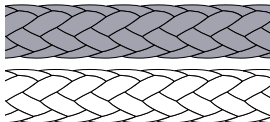
Specially designed Depower line made of 100% Dyneema®. For long-life cycle in modern kitebar constructions. Technically versed coatings deliver up to 30% more resistance against abrasion, than in common depower lines.

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

Reference	app. Ø mm	Breaking strength kg	Length of spool m
DPLP0-1300	4,0	1300	100/500
DPLP0-1750	4,5	1750	100/500
DPLP0-2600	5,0	2600	100/500
DPL00-1550	4,4	1550	500
DPL00-1700	5,2	1700	500
DPL00-1800	5,6	1800	500



### Colours



716  
Silver  
521  
White



735  
Deep Black

**Material** Dyneema®

**Construction** plaited, heat set and coated

## LIROS PPSLS

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

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

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

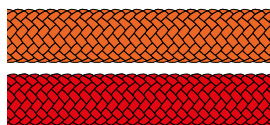


\* LIROS FlightSport lines may come six pieces to a spool. No line will be shorter than 25m.  
Not all colours available in all diameters.

### Colours



010  
Blue  
059  
Yellow  
086  
Green



150  
Orange  
171  
Red



**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*

### Colours



010  
Blue



059  
Yellow



086  
Green



150  
Orange



171  
Red

**Cover** Polyester 16-plaited

**Core** pre-stretched Dyneema®

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



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

Not all colours available in all diameters.



**LIROS HSS**  
HEAT-STRETCH SYSTEM

## LIROS DSL

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

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

### Colours



010  
Blue



059  
Yellow



086  
Green



150  
Orange



157  
Pink



171  
Red

**Cover** Polyester 32-plaited

**Core** pre-stretched Dyneema®

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



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

Not all colours available in all diameters.



**LIROS HSS**  
HEAT-STRETCH SYSTEM



## LIROS TSL

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

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

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



\* LIROS Flightsport lines may come six pieces to a spool.  
No line will be shorter than 25m.  
Not all colours available in all diameters.

### Colours



010  
Blue



059  
Yellow



086  
Green



150  
Orange



171  
Red

**Cover** Polyester

**Core** Technora®

**Technora®**

The power of Aramid

**LIROS HSS**  
LIROS Heat-Stretch-System

## LIROS LTC

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

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

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



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

### Colour



705  
Beige NF

**Technora®**  
The power of Aramid

**LIROS HSS**  
LIROS Heat-Stretch-System  
**LIROS LCS**  
LIROS Coating-System

**Material** 100% Technora®

**Construction** 12-plaited





## LIROS DFL

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

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

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



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

\*\* Only available in 059 Yellow and 150 Orange.

### Colours



059  
Yellow



150  
Orange



171  
Red

**Cover** Polyester 16-plaited, DFLPO-0232 32-plaited  
**Core** Dyneema®



## LIROS Safety Line

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

### RLP

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

### RLD

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

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



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



### Colour



228  
White



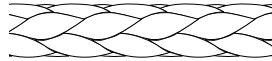
## LIROS SL

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

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

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

### Colour



228  
White



**Material** Dyneema® **Construction** SL375 12-plaited / SL500 8-plaited

## LIROS Harness

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

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

Reference	app. Ø mm	Breaking strength kg	Length of spool m
CRS00-0500-228	5	500	500
CRO00-1000-228	6	1000	500
CRO00-1800-228	9	1800	500

### Colour



228  
White



**Material** 100% Dyneema® **Construction** 32-plaited

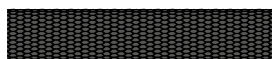
## LIROS T-Webbing

**00185-1301**

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

- high breakloads
- good resistance to abrasion

### Colour



188  
Black

**Material** Technora®/Polyester **Construction** webbing

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

**Technora®**  
The power of Aramid



## LIROS Magic Surf

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

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

### Material

Dyneema® SK 78, pre-stretched

### Construction

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

### Colour



228  
White



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

## LIROS Trim Line

01051

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

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

### Colours



188  
Black



229  
White-Blue



**Material**  
Polyester

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

**Construction**  
16-plaited with twisted core

## LIROS All-purpose Line

10070 / 10072

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

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

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

### Colour 10070



228  
White

### Colours 10072



010  
Blue



059  
Yellow



086  
Green



171  
Red



188  
Black



**Material** Polypropylene multifilament

**Construction** 8-plaited







## LIROS V-Plus-XTR

04007

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

- grip factor 7
- no creep
- XTReme low initial elongation
- high-tech XTR coating
- easy to splice
- heat resistant

Ø mm	Weight g/m	Working stretch %	Breaking strength kg
3	7	< 1	1100
4	10	< 1	1500
5	22	< 1	3000
6	32	< 1	5000
8	48	< 1	6800

**Material** 100% Vectran® with LCS Coating

**Construction** 12-plaited

**Vectran™**

**LIROS LCS**  
LIROS Coating System

**Colour**



188  
Black

## LIROS D-Pro

01505

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

- 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

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

**Colour**



674  
Deep Black

**Material** Dyneema® SK78 coated

**Construction** pre-stretched, coated, 12-plaited

**BIO-BASED**  **DYNEEMA®**

**LIROS HSS**  
LIROS Heat-Stretch-System  
**LIROS LCS**  
LIROS Coating System



Not certified for lifting loads and personal security!



## 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

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

### Colour



525  
Black NF



### 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 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	100
2	70	100
3	140	100
4	280	100
5	390	250
6	550	200
8	900	200
10	1230	200
12	1700	200
14	2000	150
16	3700	100

**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 8mm  
20-plaited with core 10mm and up

**Core**

high-tenacity Polyester

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

525  
Black NF

**Cover**

Polyester

**Construction**

Ø 5 mm 8-plaited  
Ø 6 to 8 mm 16-plaited  
Ø 10 to 12 mm 20-plaited  
Ø 14mm and up 24-plaited

**Core**

high-tenacity 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	3400	100





NEW

## LIROS Safe Nordic Plus

01019-0000

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

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

**Cover**  
high-tenacity Polyamide

**Construction**  
32-plaited

**Core**  
high-tenacity Polyamide



Ø mm	Breaking strength kg	Elongation % at 100 kg	Weight g/m	Cover ratio %	Length m
9,6	2900	3,8	62	60	200

**Colour**



790  
White 2F Black



## LIROS Safe Nordic

01015-0000

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

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

**Cover**  
high-tenacity Polyamide

**Construction**  
32-plaited

**Core**  
high-tenacity Polyamide



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

**Colour**



701  
Black 2F Red





## LIROS Safe Classic

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

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

**Cover**  
high-tenacity Polyamide

**Construction**  
16-plaited

**Core**  
special multi-braided  
Polyamide



Reference	Ø mm	Breaking strength kg	Elongation % at 100 kg	Weight g/m	Cover ratio %	Length m
00099-1116	10,5	3400	4,1	70	42	200
00099-2369	11	3550	4,0	74	40	200

### Colours



382  
White-Blue-Black



525  
Black NF



## LIROS Safe Pro

**01011**

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

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

**Cover**  
high-tenacity Polyamide

**Construction**  
32-plaited

**Core**  
high-tenacity Polyamide



Reference	Ø mm	Breaking strength kg	Elongation % at 100 kg	Weight g/m	Cover ratio %	Length m
01011-1000	10	2600	4,4	58	43	200
01011-1100	11	2850	4,2	71	53	200
01011-1200	12	3900	4,0	82	45	200
01011-1400	14	4550	3,4	102	46	150

### Colour



230  
White-Blue-Yellow





## LIROS Safe Vision

01595 / 01596

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

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

### Colour



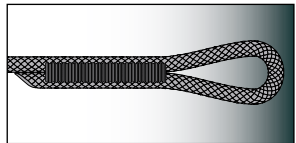
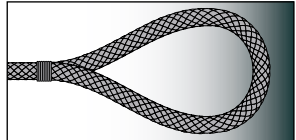
014  
Blue-Yellow-White



**Cover**  
high twisted Polyester

**Construction**  
24-plaited

**Core**  
plaited Polyamide



Reference	Ø mm	Elongation % at 100 kg	Breaking strength DIN kg	Breaking strength eff. kg	Weight g/m	Cover ratio %	Length m
01595-0000	11,8	2,5	2200	3700	82	54	200 without end connection
01595-1000	11,8	2,5	1500	2900	82	54	as required / incl. seam
01595-3000	11,8	2,5	1500	2400	82	54	as required / incl. splice
01596-0000	12,8	2,2	2200	4500	102	51	200 without end connection
01596-1000	12,8	2,2	1500	3300	102	51	as required / incl. seam
01596-3000	12,8	2,2	1500	3000	102	51	as required / incl. splice

NEW

## LIROS Safe Plus

01597-0000

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

- available with both ends sewn eye
- exceptional knot hold

### Colour



652  
Neon Yellow-Black

**Cover**  
Polyester

**Construction**  
32-plaited

**Core**  
Polyamide



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





## 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
- standard length 60, 70, 80, 90, 100, 110 and 120cm

Ø mm	Breaking strength DIN kg	Breaking strength eff. kg
9	2200	2900

### Cover

Aramid / Polyester  
24-plaited

### Core

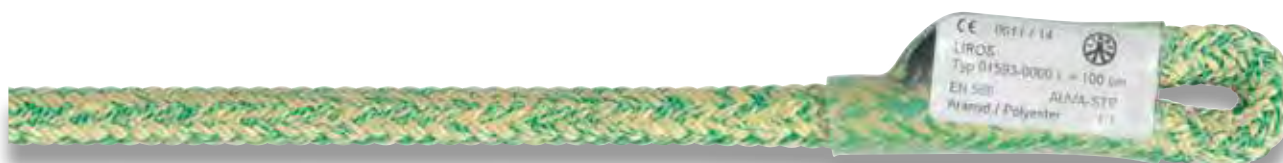
Dyneema®, Aramid



### Colour



192  
Black-Yellow



## LIROS Safe Prusik 01590/92/93

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

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

Reference	Ø mm	Breaking strength DIN kg	Breaking strength eff. kg
01592	8	2200	2500
01590	9,1	2200	2700
01593	10	2200	2900

### Cover

Polyester / Aramid 20-plaited

### Core

high-tenacity Polyester



### Colour 01590



064  
Yellow-Red

### Colour 01592



321  
Yellow-Silver

### Colour 01593



069  
Yellow-Green

**LIROS Safe Arb****01527**

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

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

**LIROS LCS**  
LIROS Coating System**Colours****12 mm**  
010 Blue**14 mm**  
059 Yellow**16 mm**  
171 Red**18 mm**  
188 Black**Cover**

high-twisted Polyester

**Construction**

20-plaited

**Core**high-tenacity  
braided Polyester**NEW****LIROS Heaving Line****00099-0846**

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

- *kink resistant*
- *abrasion resistant*
- *spliceable*

**Colours****059**  
Yellow**096**  
Light Blue

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

**LIROS HSS**  
LIROS High Strength System  
**LIROS LCS**  
LIROS Coating System**Material**

Dyneema® impregnated

**Construction**

braided

**NEW****LIROS Safe Spill****01525**

Capstan Winch Rope with high-strength core and abrasion resistant Polyester cover. The special core material provides an extremely high breaking strength and safety at lowest weight. Customised lengths available.

- *working stretch < 1 %*
- *abrasion and heat resistant*
- *very good knot hold*
- *very UV-resistant*

**Colour****239**  
White-Black

Ø mm	Breaking strength kg	Weight g/m	Length of spool m
10	3800	70	200

**Cover**

high-strength Polyester

**Construction**

24-plaited

**Core**

HMPE



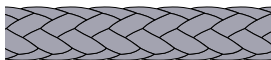
## LIROS D-Steel

01481

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

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

### Colour



316  
Carbon



Ø mm	Breaking strength kg	Length of spool m
8	6800	100 / as required
10	10500	100 / as required
12	14500	100 / as required
14	17500	100 / as required
16	22000	100 / as required
18	26000	100 / as required
20	32000	100 / as required
22	38000	100 / as required
24	44000	100 / as required
26	50000	200 (coil)

**Material** ultrahigh-strength HMPE

**Construction** 12-plaited, heat set and coated

## LIROS Felling Aid Rope

02008

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

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

### Cover

50% Vectran® / 50% Polyester  
32-plaited

### Construction

32-plaited

### Core

Dyneema® SK78 with  
XTR-Grip-Coating Silver

### Colours



263  
Beige-Steelblue



419  
Beige-Orange



**Vectran™**



**NEW**







**LIROS Offroad XTR 04010**

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

- Flexible and lightweight with extreme breaking load
- Permanently integrated high-strength LIROS Soft Shackle
- Constructed from high-tech material Vectran® extremely heat resistant
- Low noise and easy handling
- 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 / pce.	Length m
9,4	9000	2,4	27
11	10800	2,7	20

**Material** 100% Vectran® with XTR-Coating  
**Construction** 12-plaited

**Colour**  
 638 Red

**Vectran™** 

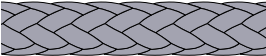
**LIROS Offroad Winch Rope 01481**

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

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

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

Hook breaking strength: 2.5t safe working load

**Colour**  
 316 Carbon

**LIROS HSS**  
ULTRA HIGH STRENGTH SYSTEM  
**LIROS LCS**  
LIROS COATING SYSTEM

**Material** ultra high-strength HMPE



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

## LIROS Offroad Towing Rope

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

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

### Colours



188  
Black



228  
White

**Material**  
high-tenacity Polyamide

**Construction**  
8-strand octoplait

Reference	Ø mm	Breaking strength kg	Length m
01058-2401	24	9500	5
01058-2402	24	9500	8
01058-2403	24	9500	12
01058-2404	24	9500	15
01058-2800	28	12000	9



## LIROS Offroad Performance

**01481  
-1201**

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

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

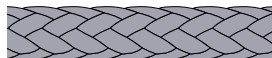
Ø mm	Breaking strength kg	Weight kg/pce.	Length of spool m
12	13000	1,3	12



**LIROS HSS**  
with LIROS Special Soft Shackle

**LIROS LCS**  
LIROS Coating System

### Colour



316  
Carbon-Red

**Material** 100% HMPE with XTR-Coating  
**Manufacture** Both ends LIROS Special Soft Shackle

## LIROS Offroad Shackle

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

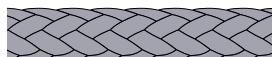
- super lightweight and easy to handle
- high breaking load
- can't open accidentally under load
- reduces risk of injury
- premium LIROS quality



**LIROS HSS**  
with LIROS Special Soft Shackle

**LIROS LCS**  
LIROS Coating System

### Colour



316  
Carbon

**Material** 100% Dyneema®  
**Protective sleeve** Polyester

Reference	Ø mm	Breaking strength kg	Working load kg
00146-0077	10	7000	4000
00146-0078	12	12000	7000
00146-0079	14	20000	12000
00146-0317	16	35000	21000



OFFROAD



## LIROS Dyneema® Braid

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

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

**Material** Dyneema®



**LIROS HSS**  
ultra high-strength HMPE

### Colour



228  
White

Reference	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	0,3	25	6-plaited	500
E0148-0049	0,49	46	12-plaited	1000
E0148-0058	0,58	80	16-plaited	1000
E0148-0079	0,79	104	12-plaited	1000
E0148-0085	0,85	130	16-plaited	1000
E0148-0110	1,1	170	12-plaited	1000
E0148-0111	1,1	200	12-plaited	1000
E0148-0151	1,5	300	12-plaited	1000
E0148-0161	1,6	400	12-plaited	1000
E0148-0201	2,0	700	12-plaited	1000

*Additional diameters available upon request.*

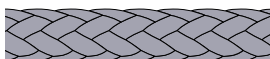
## LIROS D-Steel

**01481**

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

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

### Colour



316  
Carbon

**LIROS HSS**  
ultra high-strength HMPE  
**LIROS LCS**  
LIROS Coating-System

Ø mm	Breaking strength kg	Length of spool m
8	6800	100/as required
10	10500	100/as required
12	14500	100/as required
14	17500	100/as required
16	22000	100/as required
18	26000	100/as required
20	32000	100/as required
22	38000	100/as required
24	44000	100/as required
26	50000	200 (coil)

**Material** ultra high-strength HMPE  
**Construction** 12-plaited, heat set and coated



**LIROS Aramid****00144**

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

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

**Twaron®**

The power of Aramid

**Cover**  
Polyester

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

**Core**  
braided Aramid

**Colours**

236  
White-Red



525  
Black NF

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. Extremely strong, low stretch, with high heat resistance.

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

**Colour**

059  
Yellow

**Material**  
braided Aramid

**Twaron®**

The power of Aramid

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

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

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

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

**Colour**

228  
White

**Material**  
high-tenacity Polyester

**Construction**  
spiral-plait

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



8-plaited

16-plaited

## LIROS Polyester Braid

### 01040 / 01038

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

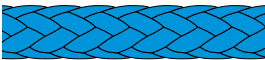
- *working stretch < 10%*
- *custom lengths available*

**Material**  
high-tenacity Polyester

**Construction 01040**  
1 mm - 1,5 mm  
6-plaited  
2 mm and up  
8-plaited

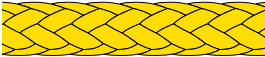
**Construction 01038**  
16-plaited with core

#### Colours 01040



010

Blue



059

Yellow



086

Green



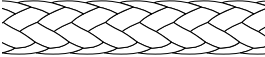
171

Red



188

Black



228

White

#### Colour 01038



228

White

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



8-plaited

16-plaited

## LIROS Polyamide Braid

### 01025 / 01030 / 01027

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

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

**Material**  
high-tenacity  
Polyamide

**Construction**  
**01025 / 01030**  
0,5 mm - 1 mm  
6-plaited  
1,5 mm and up  
8-plaited

**Construction**  
**01027**  
16-plaited  
with core

#### Colour 01025



228

White

#### Colour 01027



228

White

#### Colours 01030



010

Blue



059

Yellow



086

Green



171

Red



188

Black

	Ø mm	Breaking strength kg	Length of spool m
01025 / 01030			
White	0,5	15	500
White & Colour	1	50	500
	1,5	65	500
	2	115	500
	2,5	160	500
	3	200	500
	3,5	300	500
	4	350	500
	5	570	250
	6	880	200
	8	1600	200
	10	2400	200
White & Black	12	3200	200
	14	3600	150
	16	4300	100
01027			
White	1,5	50	500
	2	110	500
	2,5	190	500
	3	240	500
	4	400	500
	5	590	250
	6	1000	200
	8	1800	200
	10	2800	200





## LIROS Polyamide Spiral Braid

### 01035 / 01036

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

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

#### Colour 01035

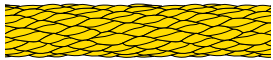


228  
White

#### Colours 01036



010  
Blue



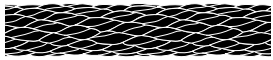
059  
Yellow



086  
Green



171  
Red



188  
Black



**Material**  
high-tenacity  
Polyamide

**Construction**  
spiral braiding

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

8-plaited

## LIROLEN Braid

### 01070 / E1070 / 01075

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

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

#### Construction 01070

Ø 1 – 16mm

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

#### Colour 01070



228  
White



#### Construction E1070

Ø 2 – 16mm

16-plaited with core

#### Colour E1070



228  
White

#### Construction 01075

Ø 3 – 16mm

spiral braid

#### Colour 01075



228  
White

**Material**  
high-tenacity  
Polypropylene  
multifilament

Ø mm	Breaking strength kg 01070/E1070	Breaking strength kg 01075	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	600	200
10	1300	1100	200
12	1600	1700	200
14	2000	2000	150
16	3300	2600	100













## LIROS Coloured Polypropylene Braid

01072









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

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

### Colours Ø 1-5 mm (NF)

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

### Colours Ø 6-16 mm

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

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



**Material**  
spun-dyed  
Polypropylene multifilament

**Construction**  
8-plaited

## LIROS Nautic Hollow Braid 01072

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

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

### Colours

	525 Black
	526 Blue
	527 Green

	530 Red
	536 Yellow

	542 White
	543 Brown



**Material** spun-dyed Polypropylene multifilament

**Construction** 16-plaited without core



## LIROS Venetian Blind Cord

### 20140 / 20145      22140 / 22145

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

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

**Material** high-tenacity Polyester

**Construction** 16-plaited with core

#### Colour 20140 / 20145



228  
White

#### Colour 22140 / 22145



188  
Black



## LIROS Starter Cord

### 10145 / 10445

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

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

**Material** high-strength Polyamide

**Construction** 16-plaited without core

#### Colour 10145



228  
White

#### Colour 10445



418  
White, impregnated



## 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

#### Colour 01060



150  
Orange

#### Colour 01061



021  
Blue-White



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

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

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

**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  $\geq 5$  falls)
- LIROS DryRope System
- extremely resistant against sharp edges
- weight: 63 g/m
- black midpoint marking
- durable easy handling
- twist-free
- dynamic stretch: 38 %
- 80 kg stretch factor: 9.7 %
- cover movement: 0 mm
- cover ratio: 41 %

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



**LIROS DRS**  
..... Dry Rope System

**Material** Polyamide high-strength

**Colours**

507  
Blue-Red-Yellow



502  
Blue-Green-Orange

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.

**LIROS Wall****01004**

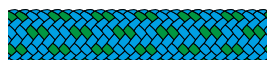
Powerful single rope specially designed for the indoor climber. Sturdy, abrasion resistant cover. Perfect cost-benefit balance. Manufactured according to **DIN EN 892**. CE approved.

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

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



**Material** Polyamide high-strength

**Colours**

015  
Blue-Green



081  
Grey-Green



328  
Green-Red



503  
Olive-Light Green

**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 doesn't have to be shortened!





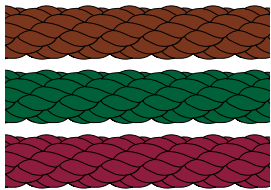
## LIROS Barrier Colour

01160 / 01161

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

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

### Colours 01160



044  
Dark Brown  
046  
Dark Green  
049  
Dark Red

### Colour 01161



188  
Black

**Material 01160**  
**Material 01161**

Acrylic yarn  
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*
- *1140D ideal for outdoor use*



### Ref. 1140D



546  
Hemp NF

**Material** spun Polypropylene rope yarn

**Construction** 4-strand cable twist

**Length** 50m spool

**Diameter** 28–30mm

### Ref. 0114D



546  
Hemp NF

**Material** natural spun Hemp

**Construction** 4-strand cable twist

**Length** 50m spool

**Diameter** 28–30mm

### Ref. 01141–3500



546  
Hemp NF

**Material** spun Polypropylene rope yarn

**Construction** 4-strand coil twist

**Length** 100m coil

**Diameter** 35mm



## 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



546  
Hemp NF

### Cover

matt Polyester yarn

### Construction

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

### Core

high-tenacity braided Polyester

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

00172

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*

### Colour



546  
Hemp NF

### Material

matt Polyester yarn

### Construction

3-strand

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





## LIROS ClassTech

**01127**

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

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

**Colour**

705  
Beige NF

**Material**

high-tenacity Polypropylene fibre

**Construction**

3-strand



## LIROS Historic

**01140**

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

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

**Colour**

546  
Hemp NF

**Material**

spun Polypropylene yarn

**Construction**

3-strand



Ø mm	Breaking strength kg	Length of coil m
10	1600	220
12	2250	220
14	3100	220
16	3850	220
18	4900	220
20	5900	220
22	7100	220
24	8300	220
26	9550	220
28	10900	220
32	13750	220

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





# LIROS Hemp Cord

00310

100% natural hemp for a classic appearance.

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

Colour



546  
Hemp NF



Material

Natural hemp

Construction

8-plaited

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

# LIROS Hemp Rope

00114

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

- *high grip*
- *environmentally friendly*
- *naturally bio-degrades*

Colour



546  
Hemp NF

Ø mm	Breaking strength kg	Length of spool m
6	285	200
8	450	200
10	700	200
12	1080	200
14	1375	150
16	1825	100
18	2250	100
20	2780	100
22	3240	100
24	3980	100

Material

Natural hemp

Construction

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





8-plaited



16-plaited

**LIROS Cotton Cord****00510 / 00512**

100% natural cotton.

- soft and high grip
- environmentally friendly
- naturally bio-degrades

**8-plaited**140  
Natural**16-plaited without core**140  
Natural

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

**Material**  
Cotton**Construction 00510**  
8-plaited**Construction 00512**  
16-plaited  
available in Ø 2-12 mm**LIROS Sisal Rope****00113**

100% natural, cropped sisal.

- compact
- environmentally friendly
- naturally bio-degrades

**Colour**140  
Natural

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

**Material**  
Sisal**Construction**  
6 mm      3-strand  
8 mm and up      4-strand



## LIROS Rigger Bag 00146-0056

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

- ext. dimensions: 41x31x10cm
- laptop compartment for devices with display size up to 17 inch

Contains:

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

## LIROS Protect

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

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

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



## LIROS Connect

00104

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

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



Usage example (rope and hook not included)



## LIROS Swedish Fid

00143

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

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



00143-0005

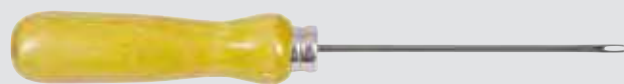


00143-0006

## LIROS Whipping Needle

00143-4000

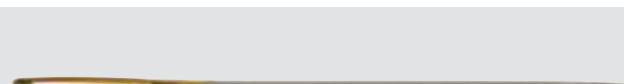
LIROS Splicing Department-approved needle for splicing and whipping lines up to 4mm. Usable without sailmaker gloves. Saves time and energy while whipping any kind of rope.



## LIROS Mirco-Splicing Needle

00143-4001

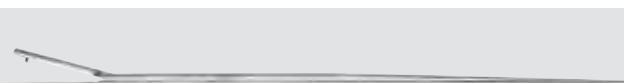
Ideal for splicing hollow braided kite and paragliding lines from 0,6mm up to 1,1 mm. 6 pieces per package.



## LIROS Splicer Pro

00143

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



Reference	Size	Splice mm*	Measurements mm
-----------	------	------------	-----------------

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

\*depends on the rope plait



## LIROS XTR-Finish

00146-0057

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

- ready to use
- increased UV-protection
- easy-to-clean, water-based solution
- each package: 1 x 250ml bottle, 1 sponge
- Colours: 010 Blue, 059 Yellow, 078 Grey, 086 Green, 171 Red, 220 Transparent

## LIROS

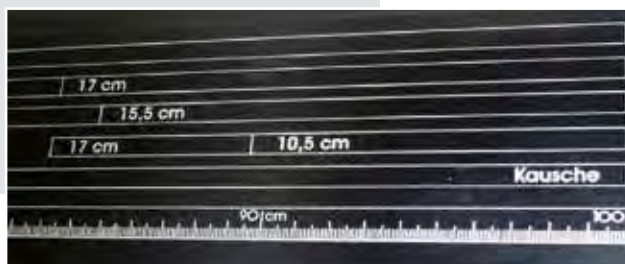
### Splicing Needle Set

00143

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

Reference	Size	Content	for rope Ø mm
00143-5004	Standard	set of 4	4–14 mm
00143-5011	Dinghy	set of 2	4–6 mm
00143-5012	Cruising	set of 2	8–14 mm





## LIROS Splicing Bench 00146-0106

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

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



## LIROS Rope Measuring Gauge

00138

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

- size: 43 x 26cm
- weight: 2,9 kg
- chromed

## LIROS Heat Cutter 00146

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

- 60W rating
- for adult use only
- 00146-0000 Heat cutter
- 00146-0001 Replacement blade



## LIROS Heat Cutter Pro 00146

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

- 120 W rating
- for adult use only
- 00146-0276 Heat Cutter Pro
- 00146-0018 Replacement blade



## LIROS Scissor Pro 00146-0277

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

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



## LIROS Ceramic Pro 00146-0278

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

- blade length: 11 cm
- very high precision
- razor sharp
- rust resistant
- non-magnetic
- very lightweight
- CAUTION: Do not drop! May break!







LIROS Rope Display

00135

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

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





## LIROS Infoboard

**00135-3012**

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

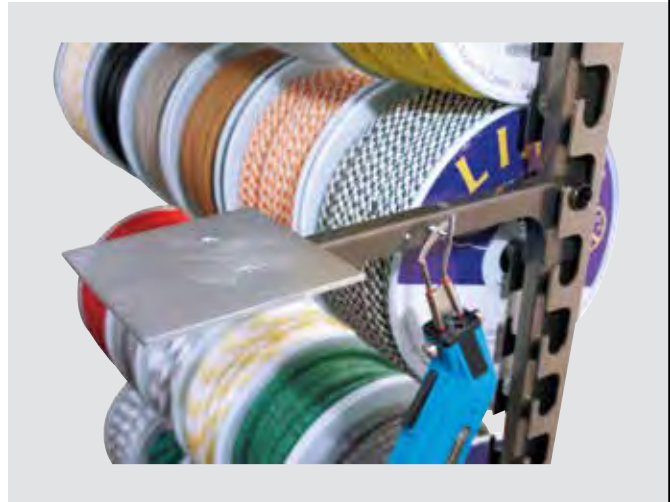
### *Contents:*

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

## LIROS Cutting Plate **00135-3015**

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

- *Measurements: [w] 13 cm x [d] 37 cm*



## LIROS Counter Display

**00146-0016**

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

Can be fitted with 4 sales packages e.g. Magic Sport, Trimline or whipping twine (see page 44-46).

- *Colour Silver*





## LIROS Flag

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



## LIROS Coffee Cup 00146-0029



## LIROS Backpack

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

- one large main + two side compartments
- padded back
- adjustable shoulder straps and chest strap

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

00146-0318

20



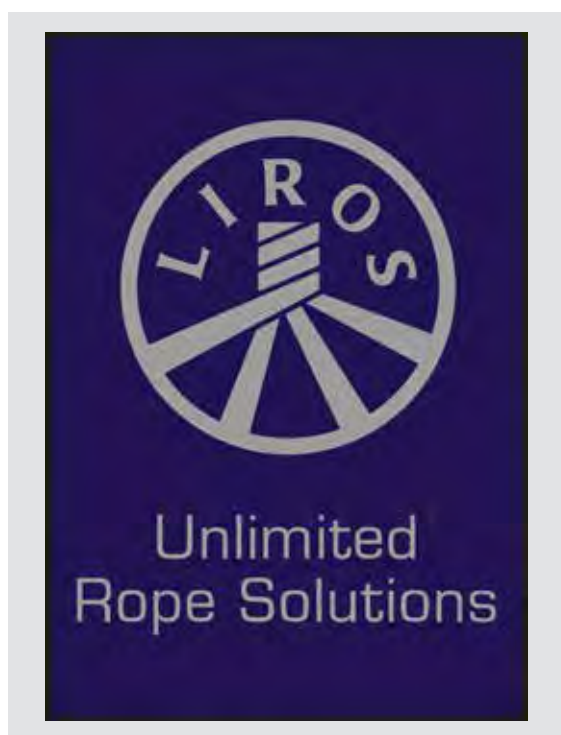


## LIROS Sticker

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

## LIROS Canvas Sticker

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



## LIROS Carpet

Premium LIROS doormat.  
Easy to clean.

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





Recommended Line Diameters

Regatta										
sail surface (m²)	10	20	30	40	50	60	70	80	90	100
Racer-XTR 02008	–	–	8	8	8	10	10	12	12	14
Racer Hybrid 02026	–	–	8	8	8	10	10	12	12	14
Racer Vision 02027	–	–	8	8	8	10	10	12	12	14
Racer 02001	–	6	8	10	10	12	12	14	14	16
Regatta 02000	5	6	8	10	10	12	12	14	14	16
Dynamic 02004/02028	6	8	10	12	14	14	14	–	–	–
D-Pro 01505/01508	4	5	6	8	8	9	9	10	12	14
Control-XTR 02024/02224	5	6	8	8	8	10	10	12	12	14
V-Force 04000	6	8	8	10	12	–	–	–	–	–

Cruising										
sail surface (m²)	10	20	30	40	50	60	70	80	90	100
Racer 02001	–	6	8	10	10	12	12	14	14	16
Regatta 02000	5	6	8	10	10	12	12	14	14	16
Dynamic 02004/02028	6	8	10	12	12	14	14	–	–	–
Top Grip 01540	6	8	10	12	14	14	14	–	–	–
Herkules 00154/01550/01552	6	8	10	12	14	14	14	16	16	18
Top-Cruising 00152/01528	6	8	10	12	14	14	14	16	16	18
Prestretch 00121/00122	6	8	10	12	–	–	–	–	–	–
Allround 00151	8	10	12	14	14	16	–	–	–	–
Seastar 00162/00172	6	8	10	12	14	14	16	18	18	–

For guy ropes, choose a heavier diameter



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

## Recommended Mooring Lines



### Mooring Lines

	Boat Size (ft)	20–27	33	40	46	52–60	65–73	78–85	90–105	110–118	124–131
	Boat Size (m)	6–8	10	12	14	16–18	20–22	24–26	28–32	34–36	38–40
	Displacement (t)	< 1	2	5	12	20	25	30	40	70	> 80
catalogue		Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm	Ø mm
22	Super Yacht Mooring 01300	–	–	–	–	–	–	–	24	24	28
24	Porto 00133	10	12	14	16	18	20	22	24	–	–
25	Squareline 01047/01049	10	12	14	16	18	20	22	24	26	28
27	PES-3-strand 00111/01110	10	12	14	16	18	20	22	24	26	28
26	Holiday 01083	12	14	16	–	–	–	–	–	–	–
26	Moorex 12 00132	12	14	16	18	20	22	24	26	28	30
29	Latina 00110	10	12	14	16	18	20	22	22	24	26
23	Handy Elastic 00136/00137	10	12	14	16	18	20	22	22	24	26



Always secure any watercraft with at least 4 mooring lines.

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

## INFO

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

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

**Please find safety instructions for LIROS ropes on [www.liros.com/support/technical-informationen](http://www.liros.com/support/technical-informationen)**

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

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

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

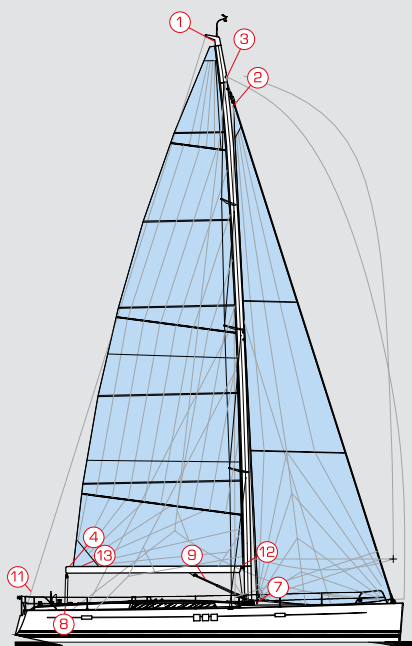
**Please find splicing instructions for LIROS ropes on [www.liros.com/support/downloads](http://www.liros.com/support/downloads)**

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

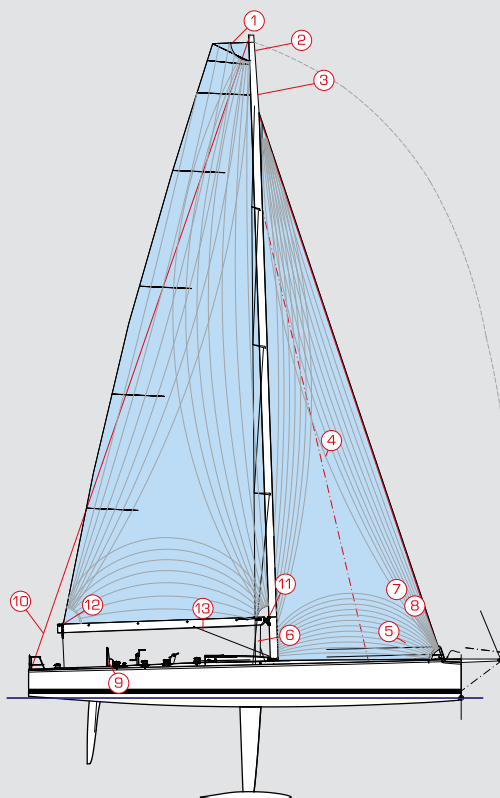
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## LIROS usage recommendations



Cruising boat



Racing boat

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

Source: Hanse Yachts / Judel Vrolijk

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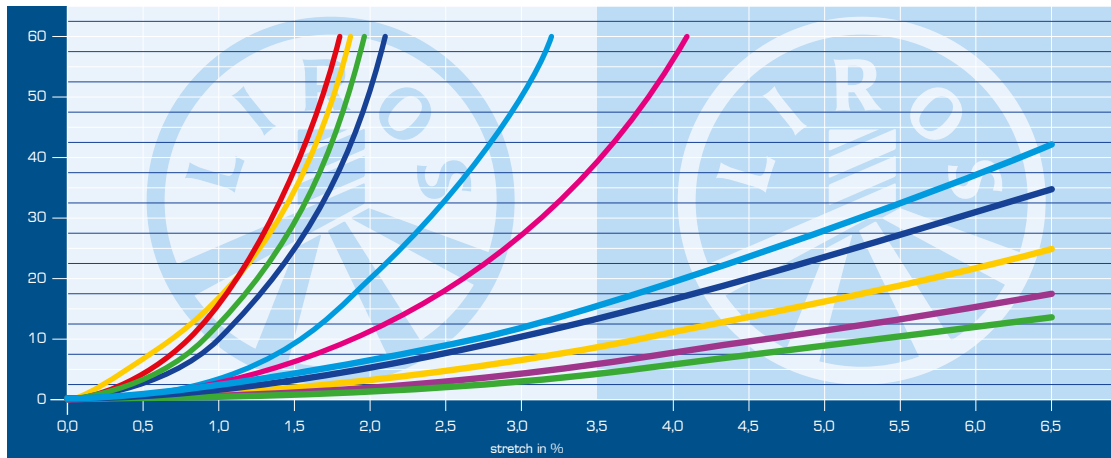






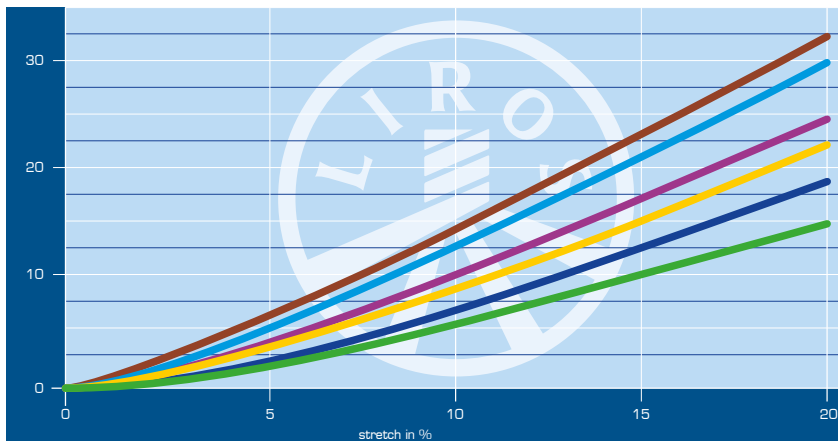
## Performance

## Cruising



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- LIROS Racer Vision, LIROS Racer Hybrid
- LIROS Racer, LIROS Regatta 2000
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- LIROS Seastar
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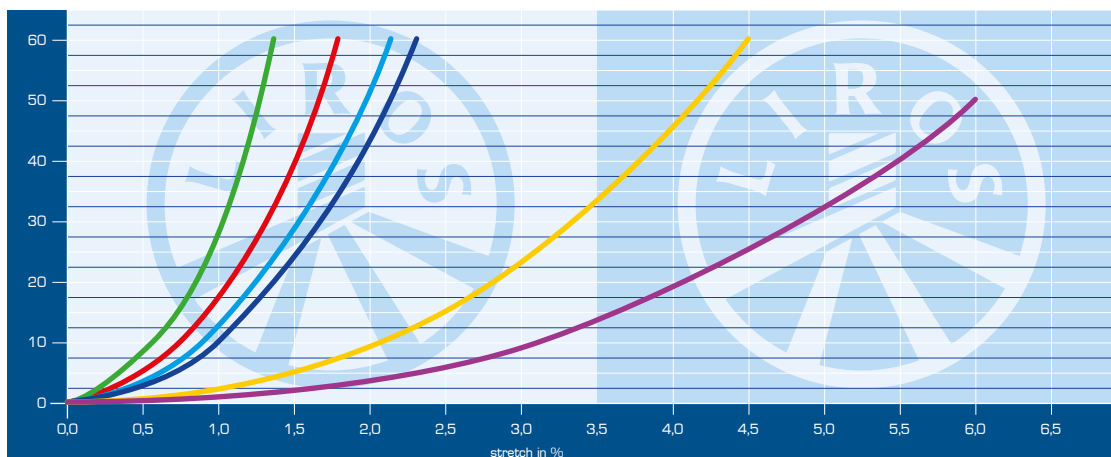
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- LIROS Handy-Elastic

## Magic Dinghy Performance

## Magic








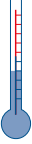
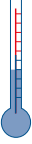
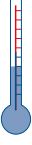


- LIROS Magic XTR, LIROS Magic Control XTR
- LIROS D-Pro, LIROS D-Pro Vision
- LIROS Magic Pro, LIROS Magic Race
- LIROS Magic Edge
- LIROS Magic Sport, LIROS Spi
- LIROS Magic Sheet

## Comparing summary of synthetic fibres

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

## Reaction of synthetic ropes under different conditions

Material							
	Polyamide (PA) 6 / 6,6	Polyester (PES)	Polypropylene (PP)	Polyethylene (PE, HMPE)	Aramid	LCP	PBO
Brand	Perlon Nylon			Dyneema® Spectra®	Twaron® Kevlar® Technora®	Vectran®	Zylon®
 Washing temp. °C	40	40	30	30	60	60	60
 Acids (50% concentr.) 25 °C / 100 °C Rest %	17 / 5–10	80 / 0	no reaction	no reaction	good resistance	very good resistance	good resistance
 Gasoline	no reaction	no reaction	no reaction	no reaction	no reaction	no reaction	no reaction
 Diesel and Oil	no reaction	no reaction	no reaction	no reaction	no reaction	no reaction	no reaction
 Solvents	minimal reaction	minimal reaction	minimal reaction	minimal reaction	minimal reaction	minimal reaction	minimal reaction
 Alkalien (Leaches)	resistant against weak alkalis	resistant against weak alkalis at 20 °C	resistant against weak alkalis	resistant	resistant against weak alkalis	resistant	resistant
 Insulating properties	good (when dry)	excellent	excellent	excellent	good (when dry)	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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