



FSE ROBLINE

WORLD CLASS YACHTING ROPES




ORGANIC™
INNOVATIVE ROPES



TRADITION MEETS **INNOVATION**

Established 220 years ago, TEUFELBERGER is a producer of high-performance steel and fiber ropes for various different applications such as yachting ropes, ropeway ropes, and industrial ropes. What started back in 1790 as a shop making hemp ropes for use in farming has evolved into a dynamic, innovative group of enterprises that operates as a worldwide production, development, and distribution network.

Innovation, ingenuity, and reliability are all characteristics of great importance to sailors, whether in regatta racing or recreational sailing. Drawing on its long-standing expertise and innovative power in manufacturing fiber ropes, the FSE Robline division of TEUFELBERGER lives up to these standards, again and again, day after day.

For the 2011/12 sailing season, FSE Robline has developed various new products and innovations and has further refined several of its well-established products. As a result, the existing product portfolio was expanded with the addition of new products and, in some cases, of various new colours. The new catalog's highlights are, without a doubt, Ocean 7000 and Dinghy Star, made of the cutting-edge Dyneema® SK 90 fiber. Another novelty in the Dinghy segment is the Dinghy Vectran® that, thanks to a special polyester fiber, is extremely comfortable to hold. In the mooring segment, FSE Robline has Portofino, a rope featuring good stretch performance and a particularly long service life.

These and other novelties are presented to you on the following pages. We wish you continued fun and success with your ropes from FSE Robline!

Your FSE Robline Team



www.fse-robline.com

FSE Robline is an international trademark

ORGANIC™ is a pending trademark of
TEUFELBERGER Ges.m.b.H.







EXPLANATION OF TECHNICAL DATA

YOU WILL FIND THE DATA BELOW ON THE FOLLOWING PAGES FOR EACH PRODUCT:

DIAMETER
LENGTH
BREAKING LOAD IN DAN
WEIGHT PER METER

Ø mm	4	6	8	10	12	14
m	200	200	200	200	150	100
daN	450	1200	2250	3400	4600	5800
g/m	10,6	22,6	41	60	86	116
red	9204	9205	9206	9207	9208	9209
navy	9222	9223	9224	9225	9226	9227
green	9216	9217	9218	9219	9220	9221
black	9210	9211	9212	9213	9214	9215



ROPE LENGTH:

The rope is measured in consideration of EN ISO 2307 standard

DIAMETER OF ROPE:

Indicated diameter is always the maximum diameter.

m:

Length of rope per spool or coil.

daN:

Is the measure for tractive power. **1 daN is approx. 1 kg, or 2.2 pounds**

BREAKING LOAD:

The detail in daN shows the load under which the rope would part. These loads are values which are approved as a result of laboratory testing. Performance in actual conditions may vary. Our sizing recommendations are based on breaking loads that are five times the working load.

WEIGHT PER METER :

The figures refer to one meter of rope. The length of the rope can change during use, so figures are based on new cordage.

MATERIAL:

The sample shows a 24-braided Polyester-cover with a 12-braided core of Dyneema® SK75.

SYMBOLS



HALYARD



CROSSOVER
Sheet / Halyard



DOCK LINE



SHEET



TRIM



ANCHORING

WARNING



The misuse of ropes can be dangerous. Our products may only be used for the purpose they are designed for.

The user is responsible for the proper application and supervision of the rope's use and assumes the user is familiar with the necessary safety precautions.

We recommend a splice as end connection for all of our products.

For Dyneema® products (such as Ocean 3000 for example) a splice is the only option that should be used, as knots can come undone under a load.



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ORGANI



ORGANIC™

Organic™ ropes are made out of renewable raw materials. Under specific industrial conditions they are also biodegradable. They do not pollute the environment, and – at the end of their life span – they close the natural resource cycle.

Intensive research and a huge number of tests have paid off, allowing us to launch the first-ever high-tech Organic™ rope in the market.



ORGANIC™ Innovative, sustainable Ropes by FSE Robline – the clever choice

- ✓ FSE Robline launches the first-ever eco-friendly technical ropes for the marine market
- ✓ Environmentally friendly
- ✓ Produced from renewable resources
- ✓ Fully biodegradable and compostable



PLA YARN

PLA yarn is a fiber composed of PLA (Poly Lactic Acid). PLA can for example be obtained from grain. However, they are made of renewable resources and are biodegradable under specific industrial circumstances. This material is considered CO₂-neutral and thus

under industrial circumstances. Neither by looking at them, nor by touching them, can these fibers be distinguished from conventional fibers used in “traditional” synthetic ropes.

ECO-XLF

This yarn type is entirely environmentally friendly and decomposes under industrial circumstances. A chemical reaction breaks up the carbon/carbon bonds, causing a reduction in molecular weight. Since the decomposition process will start while this yarn is still being manufactured. On the upside, however, these ropes do not leave

anything behind other than water, carbon dioxide, and small amounts of biomass. As a result, they give you a good „green“ conscience. From the technical aspect the product is as good as their traditional equivalent.

NEWPORT



Ø mm	10	12	14	16
m	200	150	150	150
daN	1600	2200	3000	4000
g/m	51	73	98	124
white	2858	2859	2860	2861

High quality Dock Line out of renewable raw materials

Excellent grip, UV-resistance and best spliceability. This innovative and sustainable rope is made out of renewable raw materials. It is an excellent example of environmentally friendly products. Due to a perfect combination of raw materials, we succeeded to create a product which is on the one side eco-friendly and on the other side a perfect Dock Line which fulfills the highest technical and quality standards.

Technical Data

Depending on the diameter, the sheathing of the Newport is produced with a 24-plait (10 mm) and a 32-plait (12, 14 and 16 mm) weave of PLA yarns. The PLA yarns are made out of corn and are degradable under industrial circumstances.

ORGANIC™ TWISTED FENDER LINE



Sizes: 6 mm
Lengths: 1,5 m (2866) | 2,0 m (2867)
Colour: white

ORGANIC™ Twisted Fender Line

- made out of Eco-XLF
- ready for use



ORGANIC™ BRAIDED FENDER LINE



Sizes: 6 mm
Lengths: 1,5 m (2868) | 2,0 m (2869)
Colour: white

ORGANIC™ Braided Fender Line

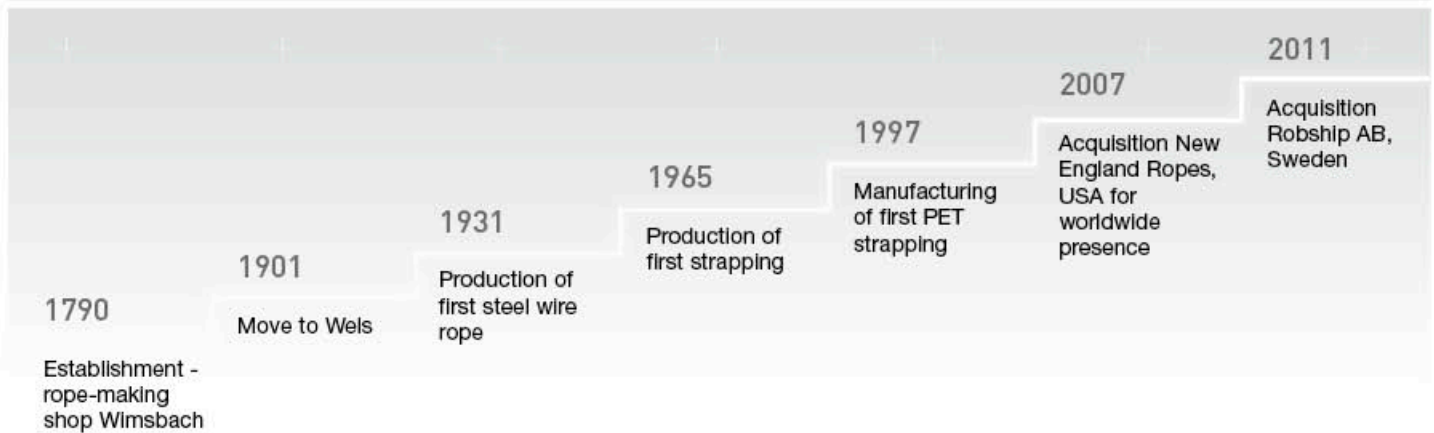
- made out of PLA yarns (cover) and Eco-XLF (core)
- ready for use





TEUFELBERGER GROUP

THE DEVELOPMENT IN 220 YEARS



5 LOCATIONS



Wels headquarters, AUT
strapping, baler twines,
fiber ropes



Wels Wire Rope, AUT
wire ropes



St. Aegydt Wire Rope, AUT
wire ropes

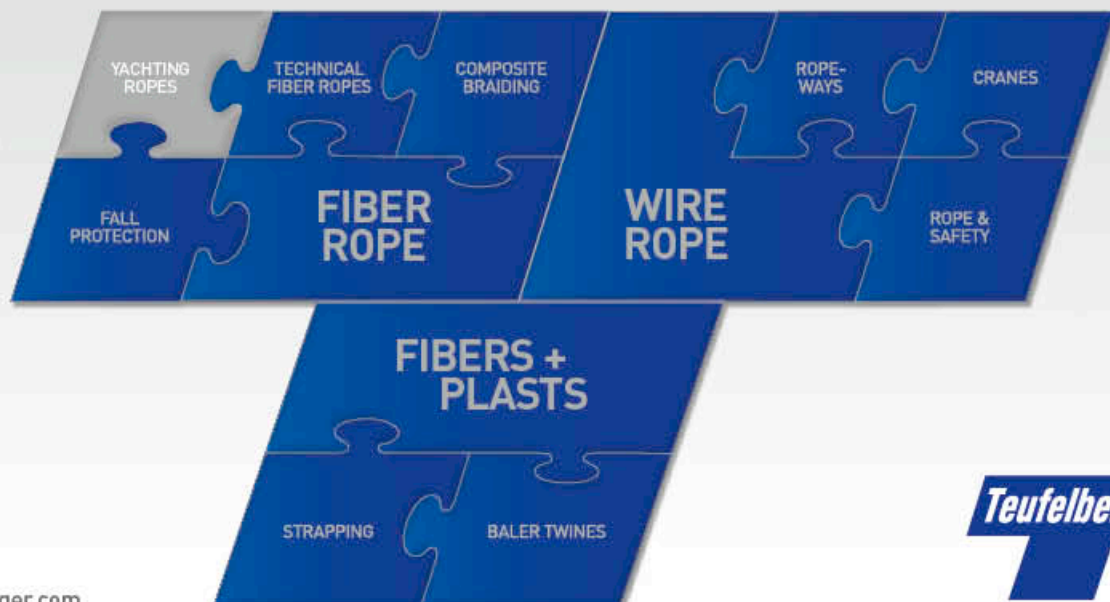


Veseli, CZ
fiber ropes



Fall River, USA
fiber ropes

TEUFELBERGER GROUP'S THREE DIVISIONS



www.teufelberger.com



TOGETHER IN MOTION



COLOUR CODE CONCEPT

Finding the right ropes which suites perfectly for your boat is a tricky task! A lot of questions have to be answered and it's very difficult to difference the different ropes. This is mostly due to the fact that it is not easy to identify a rope.

FSE Robline offers you the answers with the C2 Concept - an innovative solution!

C² CONCEPT



COLOUR CODE CONCEPT

The C2 Concept allows the customer to identify the fibers used in ropes based on the colour of a tape. In addition, this tape features printed-on information that describes the rope's performance level. The tape's colour identifies the raw material used in the core (e.g. Dyneema®, PES, Polyamide, or XLF), while the printed information on the tape (3, 4, or 5 stars) indicates the performance level of the rope.

In a first stage, we introduced the C2 Concept starting only at the diameters of 4 mm or more.

This C2 Concept makes your life and the customers life more easier.

The daily challenge to find the right rope.

- Various products in a shop – almost impossible to follow
- It's almost too difficult to find the right product
- The tracer will be only used for braided ropes
- We start with the diameter of 4 mm upwards

DYN DYNEEMA®

★★★★★ RACING / PERFORMANCE



Application:

Halyards and Sheets for Racing and Performance sailors

Characteristics:

Highest breaking strength, UV-resistant, very low elongation

PES POLYESTER

★★★★ CRUISING



Application:

Halyards, Sheets, Docking- and Mooring lines for Cruising sailors

Characteristics:

Good breaking strength, UV-resistant, low elongation

PA POLYAMIDE

★★★★ CRUISING



Application:

Docking- and Mooring lines

Characteristics:

High elongation, high breaking strength

XLF XLF - XTRA LIGHT FIBER

★★★ FLOATING LINES



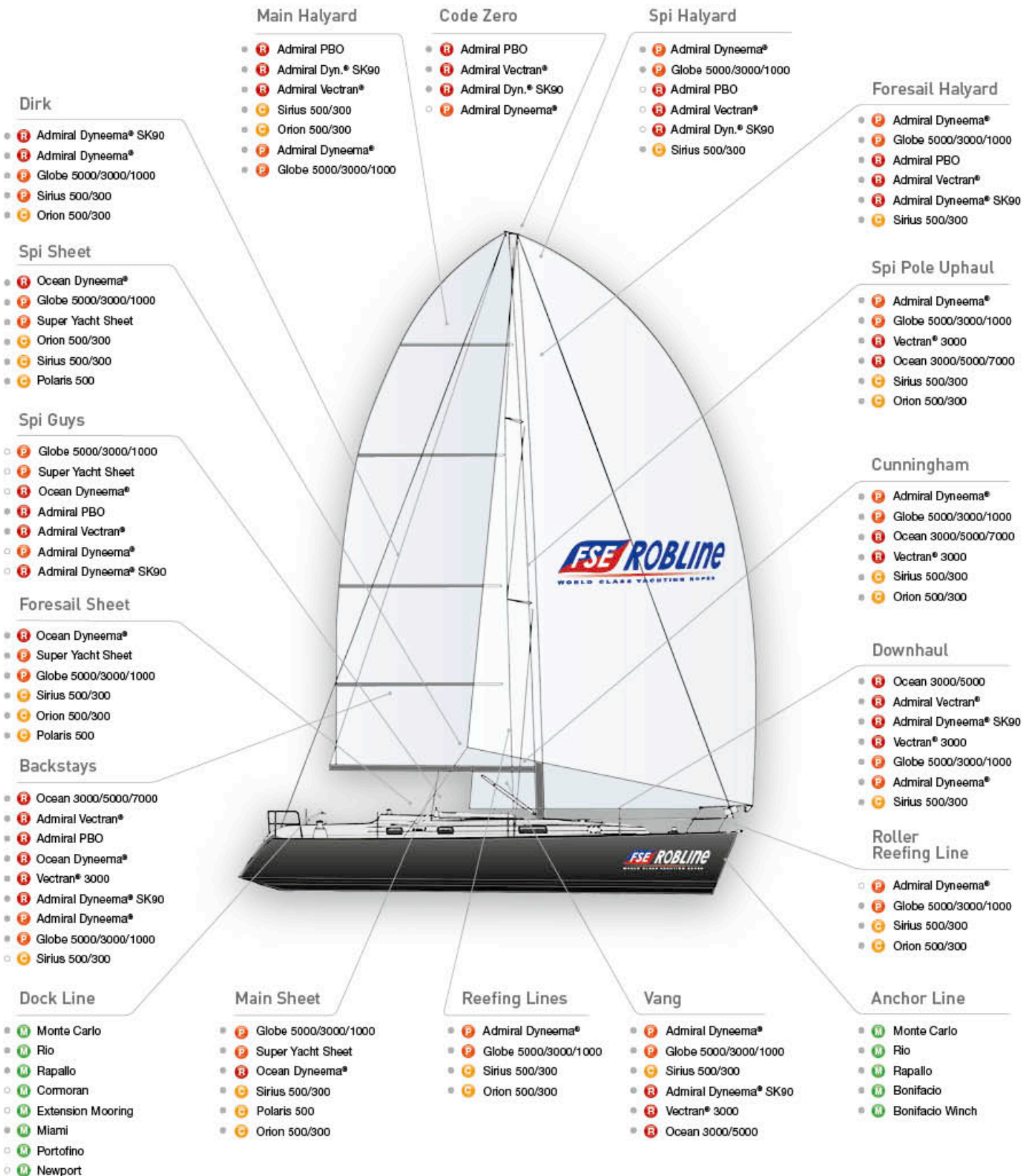
Application:

Dinghy-, Docking- and Floating lines

Characteristics:

Floating, low water absorption, nice handling, good elongation and breaking strength

APPLICATION





FSE ROBLINE PROJECTS

It has always been a tradition throughout our 220 year company history that “we care more for our customers“. For many years now, our FSE Robline brand has been firmly established in the marine markets. We are very successful in various parts of the globe, from the U.S. to Asia and Australia and all the way to the markets on our doorstep in Europe. By taking into consideration the large amount of feedback received from our customers from all around the world, we strive to keep the steady and systematic development of our products in motion.

We are providers of solutions for the optimized use of high-quality products. The wealth of ideas and expertise that exist within our group and especially our close relationships with our customers give us the opportunity to offer demand-oriented and solution-oriented products and innovations. These are of crucial importance, especially in the racing and project segments.

We can name many reference customers such as the team of Claus-Peter Offen on his “y3k“, a 100-ft Wally, who won the title of Maxi World Champion, or Albert Büll and his crew, who sail on the 148-ft Saudade, so far the largest Wally ever built. On board these yachts, it is not only sporting successes that count, but also specific developments for extraordinary projects. If the ropes malfunctioned, this might lead to life-threatening situations for the crew.

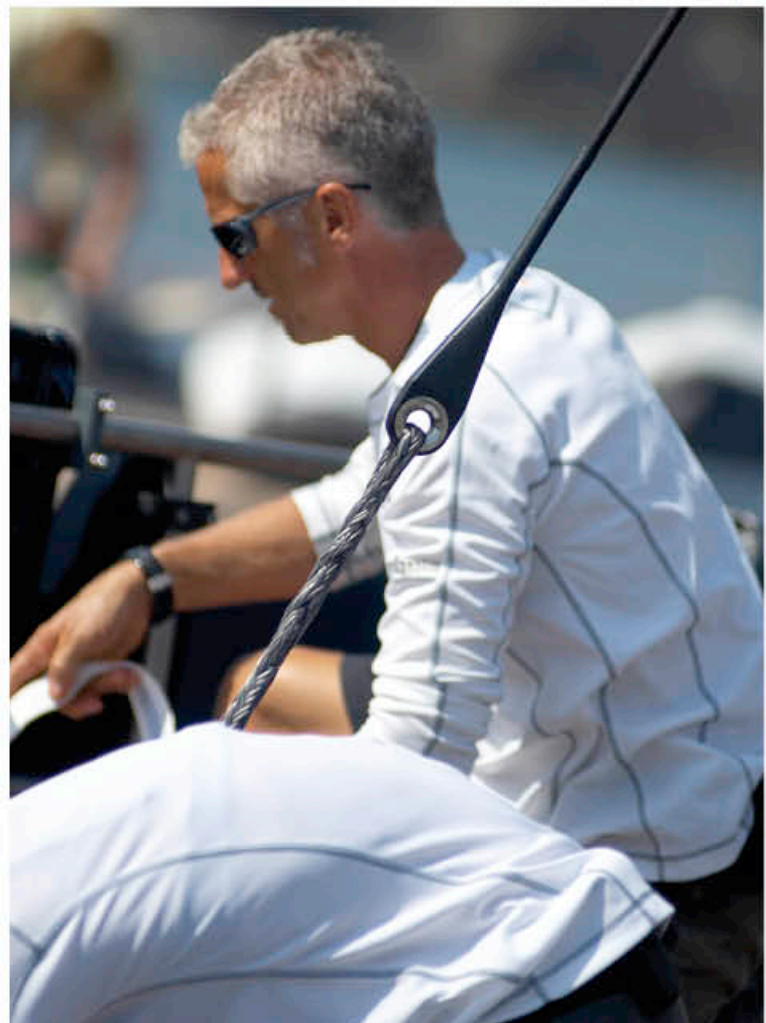
Reliability, supreme quality, and continuing development are absolutely essential. What is more, experience and expertise from other fields are employed in the development of the ropes of tomorrow! TEUFELBERGER covers a wide spectrum. Knowledge from the development of steel wire ropes is put to use, as well as expertise from “Composite Braiding“, our fiber composite technology division. Empirical data is uniquely combined with trail-blazing technology – true to our motto “Together in Motion“!

This way, we demonstrate that these custom-tailored developments may result in a competitive advantage on the water. In addition, we are able to directly apply and implement the experience gained in our series-produced ropes – to the benefit of our customers!

Our racing products are ropes designed to meet the highest demands. These products only consist of high-tech fibers and materials. They excel due to their specific character and surpass your highest expectations in terms of breaking load, stretch performance, and abrasion resistance!

Please keep in mind that all products in this Racing/One-Off Segment are special custom-tailored ropes manufactured only at a customer’s request and are subject to a certain lead time.

Your FSE Robline Team







RACING



RACING

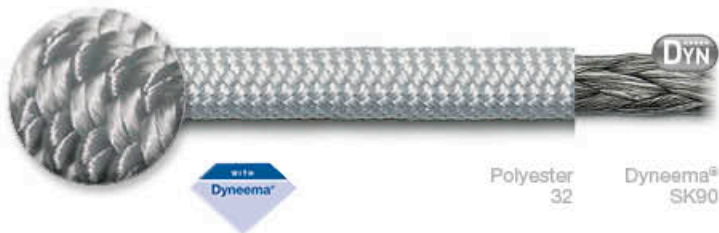
Our Racing products are ropes meeting the highest demands. These ropes are made exclusively of high-tech materials and fibers and excel especially due to their high degree of customization allowing them to live up to the highest expectations.

All products offered in this segment are special custom-tailored ropes manufactured only on request and are subject to a lead time of 4-6 weeks.



FALL
HALYARD
FALD

ADMIRAL DYNEEMA® SK90



Ø mm	8n	10n	12n	14n
m	200	200	150	100
daN	4200	6300	8800	11500
g/m	43	68	93	125
silver	2162	2164	2166	2168
black	2161	2163	2165	2167

n = Available only on demand

The top product for discerning sailors

The Admiral Dyneema® SK90 fulfils even the most demanding rope requirements. The Dyneema® SK90 fiber by DSM is worked into the core, which achieves particularly high breaking strengths. As the Admiral Dyneema® SK90 displays minimum creep behaviour, it is mainly used in high-performance sports and on huge yachts.

Technical Data

The core of Admiral Dyneema® SK90 is made from the Dyneema® SK90 fiber, which is capable of very high breaking strengths. The coating made of 32-fold braided Polyester protects the core from abrasion and UV-radiation and is simple to handle.

HIGHLIGHTS

- HIGHEST BREAKING LOAD
- MINIMUM CREEP

FALL
HALYARD
FALD

ADMIRAL PBO



Ø mm	4n	6n	8n	10n	12n	14n
m	100	100	100	100	100	100
daN	1700	2400	6000	8300	13000	18000
g/m	14	25	50	82	113	154
black	8910	8911	8912	8913	8914	8915

n = Available only on demand

Highest breaking loads with zero stretch

Admiral PBO demonstrates its excellent breaking loads especially when used as halyard, spinnaker guy, or in other situations where extreme loads are encountered.

Technical Data

The 32-plait Polyester (PES) cover protects Admiral PBO from UV radiation and makes it extremely resistant to abrasion.

SCHOT
SHEET
ECOUTE

ADMIRAL VECTRAN®



Ø mm	8n	10n	12n	14n*	16n*	18n*	20n*
m	200	200	150	245	210	180	145
daN	3150	4600	6200	8000	10000	12500	15000
g/m	46	68	98	140	180	225	286
red	9090	9091	9092	9093	9094	9335	9336
navy	9095	9096	9097	9098	9099	9340	9341
black	9100	9101	9102	9103	9104	8591	8587
white	9105	9106	9107	9108	9109	8586	8588

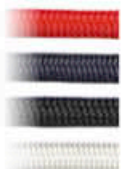
n = Available only on demand / * coil

All-around use, lowest stretch, and high breaking loads

Admiral Vectran® combines low stretch with high breaking loads and does not exhibit creep under steady loads. Admiral Vectran® has an impregnated coated core. Admiral Vectran® is extremely abrasion-resistant, and a stripped version of it is also perfectly suited for use in regatta sailing. An additional benefit is its excellent spliceability.

Technical Data

The 32-plait Polyester (PES) cover makes Admiral Vectran® highly abrasion-resistant. The Vectran® core utilizes FSE Robline special impregnation process and coating to protect fibers from UV radiation and ensures excellent adhesion between core and cover.



OCEAN DYNEEMA®

FALL
HALVARD
FALD



Ø mm	8n	10n	12n	14n	16n	18n*	20n*	22n*	24n*
m	200	200	150	100	100	180	250	180	150
daN	3500	4800	6300	8500	10000	14500	18000	20000	23000
g/m	41	59	87	117	143	184	244	267	325
red-yellow	9195	9196	9197	9198	9199	9200	9201	9202	9203
blue-yellow	8922	8923	8924	8925	8926	8927	8928	8929	8930

n = Available only on demand / * coil

The sheet for the Volvo Ocean Race

Ocean Dyneema® benefits from the high heat resistance of Aramide fibers, using them for a novel type of braided sheathing. As a consequence, this sheet is used mainly on large winches where high temperatures are encountered, for instance when securing on back stay winches.

Technical Data

The 32-plait cover: 50% of which are made up of Aramide and 50% of Polyester (PES), is highly resistant to abrasion and heat. For the core, Dyneema® SK75 is braided into a 16-plait core. Low stretch, high breaking loads, and good spliceability are the results.

HIGHLIGHTS

- HIGH HEAT RESISTANCE
- HIGH ABRASION RESISTANCE



OCEAN 5000

TRIM
TRIM
TRIM
CROSS
OVER

Ø mm	6	8	10	12	14n	16n	18n	20n	22n	24n
m	200	200	200	200	200	100	100	100	50	50
daN	3600	7300	10900	17800	21700	26100	35800	40800	53600	57800
g/m	20	36	49	90	116	136	192	217	263	345
anthracite	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808

n = Available only on demand

Highest breaking loads and low abrasion

The Ocean 5000 gains points for its top quality workmanship. As it has been pre-stretched and is made of Dyneema® SK75, its particularly high breaking loads leaves other ropes in the dark. Even with high loads and when used behind the scenes, Ocean 5000 meets the highest standards.

Technical Data

Ocean 5000 is made purely of Dyneema® SK75 and is therefore especially abrasion and UV-resistant. The high breaking strengths and the innovative waterproofing are just some of its other benefits.

HIGHLIGHTS

- HIGHEST BREAKING LOAD
- EXCELLENT UV-RESISTANT

OCEAN COVER ONLY



Ø mm	5 - 6n	8 - 10n	12 - 14n
m	100	100	100
g/m	13	21	37
blue-yellow	2317	2160	9814

n = Available only on demand

Robust, highly heat-resistant sheathing

Ocean Cover Only is the product of choice if your rope needs additional protection against abrasion or heat. Made of a combination of Aramide and Polyester (PES) fibers, the cover is used to protect those points of the rope or core that are exposed to extremely high strain and friction.

Technical Data

The 32-plait Ocean Cover Only is made up of Aramide (50%) and Polyester (50%). This is the ideal mix to maintain your rope both flexible and resistant to abrasion and heat.



SYS COVER ONLY



Polyester/
Polyamide 32

Ø mm	5 - 6n	8 - 10n
m	100	100
g/m	17	33
red-anthracite	2330	2331

n = Available only on demand

Cover with extreme abrasion resistance and excellent grip!

As the name already reveals, the SYS Cover Only consists of the sheathing of the SYS that has been proven and tested for years. The cover made of a Polyester/Polyamide construction offers protection to those points of the sheet exposed to maximum loads. The blend of the materials provides the cover with excellent grip and extreme abrasion resistance.

Technical Data

The 32-plait weave of Polyester and Taslan ensures superior abrasion resistance and high breaking strength, even when the going gets rough. The integrated mouseline facilitates the cover's application onto the sheet. This combination of premium-quality materials and excellent workmanship is what makes the Super Yacht Sheet Cover the ideal solution on winches.

SOFT SHACKLE



Dyneema®
SK75

Ø mm	4	6	9
Breaking load	1000	2000	4000
Working load	500	1000	2000
length mm	160	220	250
anthracite	2880	2881	2882

Soft shackles permit connections of low weight and high breaking load.

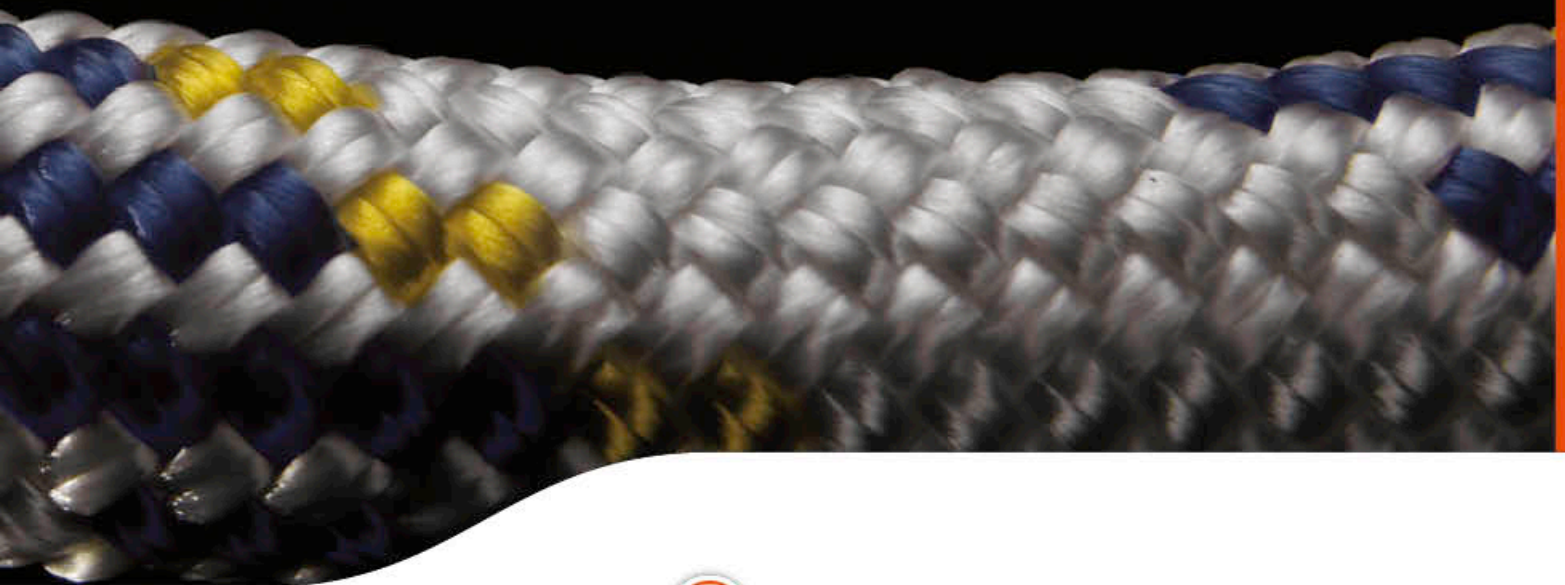
If you would like to get rid of your heavy metal shackles too – FSE Robline offers you the ideal solution! The light-weight and highly loadable soft shackles, made out of Dyneema® SK75, are versatile in use, even in locations that are difficult to access. The advantages of these shackles are mainly that they are so much lighter than conventional metal shackles. What is more, they can be opened easily even after having been loaded. Yet, they will not open accidentally while loaded.







PERFORMA



PERFORMANCE

Our Performance products were developed specifically for competitive regatta racers who rely on having the best equipment for the right application. In performance sailing, we all know there is little margin for error. Choosing the right material for its intended application is our goal.

Using ropes made by FSE Robline, allows you to entirely on your sailing our top quality makes it possible.

ANCE



FALL
HALYARD
FALD

ADMIRAL DYNEEMA®



Polyester 32

Dyneema®
SK75

Ø mm	6	8	10	12	14	16n
m	200	200	200	150	100	100
daN	2300	3900	5850	8100	10500	13100
g/m	25	42	65	89	120	162
white-red	9165	9166	9167	9168	9169	9170
white-navy	9171	9172	9173	9174	9175	9176
white-green	9177	9178	9179	9180	9181	9182
silver	9183	9184	9185	9186	9187	9188
black	9189	9190	9191	9192	9193	9194

n = Available only on demand

Test the winner!

Thanks to its high breaking strength, Admiral Dyneema® is not only satisfying in practical use, but also has achieved excellent scores in two independent product tests conducted by two renowned magazines on sailing. The core of Dyneema® SK75 has extremely high breaking strengths and the impregnated sheathing made of 32-plait Polyester minimizes the abrasion.

Technical Data

The 32-plait, impregnated Polyester sheathing makes Admiral Dyneema® extremely resistant to abrasion. Moreover, the impregnation enables Admiral Dyneema® to manage without a second set: The high-tech fiber of the impregnated core, Dyneema® SK75, stands for high breaking strengths and minimum elongation.

HIGHLIGHTS

- HIGHEST BREAKING LOAD
- REDUCED ABRASION



SCHOT
SHEET
ECOUTE

SUPER YACHT SHEET



Polyester /
Polyamide 24/32

Polyester
soft

Dyneema®
SK75

Ø mm	6	8	10	12	14	16
m	200	200	200	150	100	100
daN	1600	2800	4200	5700	7400	9200
g/m	23	42	60	90	120	160
red-anthracite	2395	2109	2110	2111	2112	2113
black-anthracite	2396	2114	2115	2116	2117	2118
silver-anthracite	2397	2119	2120	2121	2122	2123

Excellent grip and high abrasion resistance for use on winches

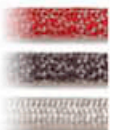
Super Yacht Sheet is the ideal sheet for modern performance cruisers. The highly abrasion-resistant Polyester sheathing withstands even the roughest conditions, while still being easy to handle.

Technical Data

The high abrasion resistance of the Polyester/Polyamide sheathing of Super Yacht Sheet comes paired with fantastic grip and perfect handling. Dyneema® SK75, the high-tech fiber used for the core, epitomizes high breaking loads and minimal stretch.

HIGHLIGHTS

- EXCELLENT GRIP
- HIGH ABRASION RESISTANCE



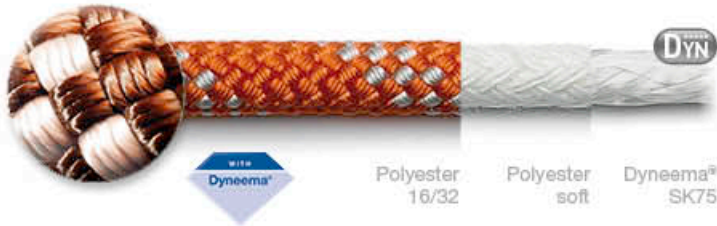




TRIMM
TRIM
TRIM

CROSS
OVER

GLOBE 5000



Ø mm	1,7	2,5	3	4	5	6	8	10	12	14	16n	18n*	20n*
m	250	250	200	200	200	200	200	200	150	100	100	180	145
daN	130	300	500	700	1000	1600	2800	4200	5700	7400	9200	14800	18000
g/m	2	5	7	11	16	23	41	58	89	119	157	185	235
red-silver	9110	9111	9112	9113	9114	9115	9116	9117	9118	9119	9120	9351	9352
navy-silver	9121	9122	9123	9124	9125	9126	9127	9128	9129	9130	9131	9356	9357
green-silver	9132	9133	9134	9135	9136	9137	9138	9139	9140	9141	9142	9361	9362
orange-oliv.	9143	9144	9145	9146	9147	9148	9149	9150	9151	9152	9153	9366	9367

n = Available only on demand / * coil

The must-have classic

Globe 5000 has been a definite must-have rope for ambitious sailors for years. In addition, Globe 5000 stands out due to its high breaking loads and low stretch characteristics. Its unique structure made up of a Polyester cover, a soft intermediate Polyester cover (from a diameter of 10 mm), and Dyneema® SK75 in the core, helps avoid any core/cover displacement. Having an impregnated core, Globe 5000 can also be used in its stripped state.

Technical Data

The 32-plait sheathing of the Globe 5000 rests on a soft Polyester intermediate cover made of staple fibers. The impregnated Dyneema® core buried below it grants high breaking strengths to the rigging. This structure facilitates the splicing and offers ideal protection for the rope even without a sheath.

HIGHLIGHTS

- ALMOST NO COVER CORE FRICTION
- HIGH BREAKING LOAD
- LOW STRAIN VALUES



TRIMM
TRIM
TRIM

CROSS
OVER

GLOBE 3000



Ø mm	4	6	8	10	12	14
m	200	200	200	200	150	100
daN	450	1200	2250	3400	4600	5800
g/m	10,6	22,6	41	60	86	116
red	9204	9205	9206	9207	9208	9209
navy	9222	9223	9224	9225	9226	9227
green	9216	9217	9218	9219	9220	9221
black	9210	9211	9212	9213	9214	9215

Best performance in all variants of use

The core of Globe 3000 is impregnated. Therefore, the rope also performs well in its stripped state. Globe 3000 is used wherever ropes featuring low stretch and high breaking loads are needed – for example, for halyards, sheets, and trimlines.

Technical Data

The woven 24-plait Polyester cover of Globe 3000 rests on a soft intermediate sheath made of staple fibers. The cover and intermediate sheath protect the Dyneema® SK75 core against abrasion and facilitate the splicing of Globe 3000.



TRIMM
TRIM
TRIM

CROSS
OVER

GLOBE 1000



Ø mm	4	6	8	10	12	14
m	200	200	200	200	150	100
daN	400	1000	1600	2600	3800	4900
g/m	10	23	40	62	87	118
white-red	9228	9229	9230	9231	9232	9233
white-green	9234	9235	9236	9237	9238	9239
white-navy	9240	9241	9242	9243	9244	9245

Introduction to the world of Dyneema®

The Globe 1000 is the perfect introductory product in the Dyneema® world. It is used as a halyard, sheet and trim line and can also be used in stripped condition due to its impregnated core. The braided Polyester sheathing provides protection against UV rays and abrasion.

Technical Data

The impregnated Dyneema® SK75/XLF core provides the Globe 1000 with excellent elongation properties at high breaking strengths and makes the rope easy to splice. In addition to the braided Polyester sheathing, the intermediate sheathing made of soft Polyester staple fiber protects the core from abrasion and solar radiation.







**NEXT
GENERATION**



Dyneema® SK75

OCEAN 3000

CROSS OVER TRIM TRIM TRIM

Ø mm	2	2,5	3	4	5	6	8	10n	12n
m	200	200	200	200	200	200	200	150	100
daN	400	500	800	1600	2300	3200	4500	7100	9500
g/m	2	4	5	8	11	17	28	42	54
red	7527	7531	7535	7154	7830	7158	7162	7166	9698
blue	7528	7532	7536	7155	7831	7159	7163	7167	9699
yellow	7530	7534	7538	7157	7833	7161	7165	7169	9700
anthracite	8916	8917	8918	8919	8920	8921	8868	8869	9701

n = Available only on demand

Pure and impregnated Dyneema® for highest breaking loads

Perfectly suited for tackles, halyards or foresheets, this rope excels thanks to its weave of pure Dyneema® SK75. Highest breaking loads and low weight are its main advantages. Due to its special impregnation, UV rays and abrasion do not pose a problem.

Technical Data

12 strand single braid Dyneema® SK75 makes Ocean 3000 highly resistant to abrasion and UV. The innovative FSE Robline impregnation further enhances these characteristics and prolongs the life span of your Ocean 3000.

HIGHLIGHTS

- HIGHEST BREAKING LOAD AT LOW WEIGHT
- UV-RESISTANCE THROUGH INNOVATIVE IMPREGNATION



Vectran®

VECTRAN® 3000

CROSS OVER TRIM TRIM TRIM

Ø mm	3	4	6	8	10n	12n
m	200	200	200	200	150	100
daN	800	1500	3000	5000	7500	10200
g/m	7	11	23	41	63	104
black	9570	9571	9572	9573	9703	9704

n = Available only on demand

Impregnated Vectran® - a development from the Volvo Ocean Race

Foresheets, tackles or halyards are what Vectran® 3000 is used for. The 12-plait weave exhibits zero stretch and, thanks to its special FSE Robline impregnation, demonstrates high resistance to abrasion and UV light.

Technical Data

The 12-plait weave of Vectran® 3000 excels due to its high splicing comfort. Other benefits of Vectran® 3000 include high breaking loads, and resistance to abrasion and UV radiation.



CRUISI



CRUISING

Our success proves us right:

based on a wealth of experience, FSE Robline defines the standards for cruisers. In producing Sirius, FSE Robline has - for many years - set the benchmark for Polyester ropes. And to ensure that you will always sail with the best ropes, continued development is the main focus - to make your sailing trips sheer pleasure.

NG



CROSS
OVER

SIRIUS 500



Polyester 32

Polyester

State-of-the-art Polyester rope setting the benchmark

Sirius 500 is known for its high breaking loads and minimal stretch. The raw materials used are only premium-quality materials such as Polyester. Sirius 500 exhibits great breaking loads and low stretch even in unusual situations. Check it out!

Technical Data

Sirius 500 consists of a highly abrasion-resistant 32-plait Polyester sheathing and an 8-plait core. The core dependent splice allows optimum utilization of the breaking loads.

Ø mm	4	5	6	8	10	12	14
m	200	200	200	200	200	150	100
daN	500	800	1050	1800	2600	3600	4800
g/m	12	20	27	49	71	103	140
navy	8931	8932	8933	8934	8935	8936	8937
red	8939	8940	8941	8942	8943	8944	8945
silver-red	8963	8964	8965	8966	8967	8968	8969
silver-navy	8971	8972	8973	8974	8975	8976	8977

HIGHLIGHTS

- HIGH ABRASION RESISTANCE
- HIGH BREAKING LOAD



CROSS
OVER

SIRIUS 300



Polyester 32

Polyester

New version of universal genius

As a halyard, sheet or trim line - the Sirius 300 displays its most charming face in all applications. The sailor can rely on Sirius 300 anytime due to the use of high-quality materials both in the sheathing and in the core.

CROSS
OVER

TRIM
TRIM
TRIM

ORION 500



Polyester 16

Polyester

The all-purpose talent made of Polyester

Orion 500 is used as a sheet or a halyard. Its 16-plait Polyester sheathing and its 8-plait core provide for good grip and make the rope easy to splice. What is more, its bold colour design makes the rope easily identifiable on board.

Technical Data

The woven 16-plait Polyester sheathing, in connection with the 8-plait Polyester core, gives Orion 500 its fantastic handling and its high UV resistance. It is very easy to splice!

Ø mm	4	5	6	8	10	12	14
m	200	200	200	200	200	150	100
daN	500	800	1050	1800	2600	3600	4800
g/m	12	20	27	49	71	103	140
wh.-red	8633	8634	8635	8636	8637	8638	8639
wh.-navy	8979	8980	8981	8982	8983	8984	8985
wh.-green	8649	8650	8651	8653	8654	8655	8987

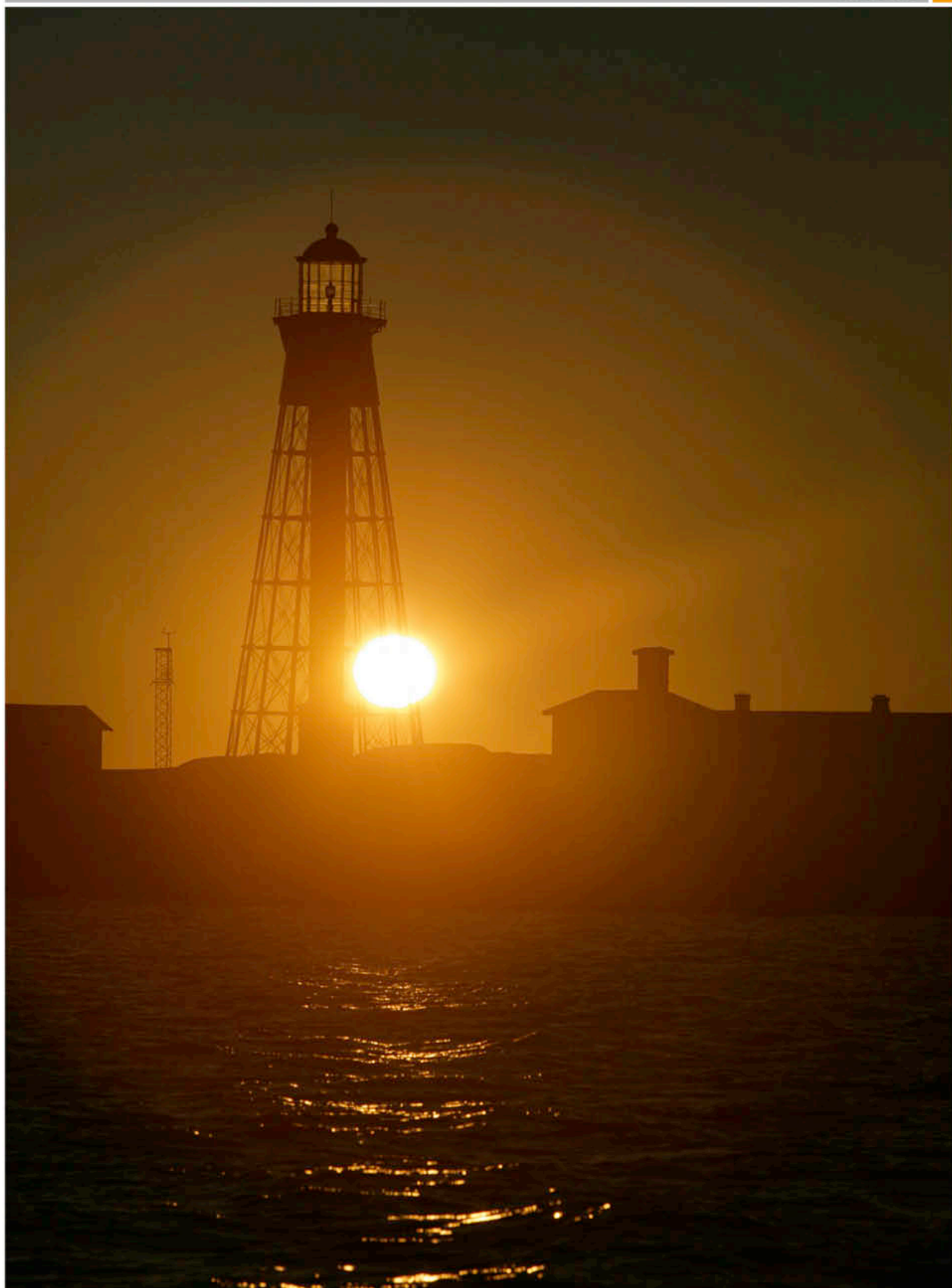
Technical Data

Excellent abrasion resistance due to the woven 32-plait sheathing and low stretch are its hallmark characteristics. Premium-quality PES fibers are used in the core, aptly rounding off the perfect general picture.



Ø mm	2	3	4	5	6	8	10	12
m	250	200	125	100	100	200	200	150
daN	70	150	400	600	800	1400	2000	2500
g/m	3	6	12	19	24	41	70	89
red	9000	9001	9002	9003	9004	9005	9006	9007
navy	9008	9009	9010	9011	9012	9013	9014	9015
black	9016	9017	9018	9019	9020	9021	9022	9023
green	9024	9025	9026	9027	9028	9029	9030	9031
neonyellow-black	8100	8104	8108	8112	3279	3280	3287	3288
neongreen-black	8101	8105	8109	8113	3289	3290	3291	3292
purple-black	8102	8106	8110	8114	3293	3294	3295	3296
pink-black	8103	8107	8111	8115	3297	3298	3299	3300







CROSS OVER
TRIM TRIM

ORION 300



Polyester 16

Polyester

Ø mm	4	5	6	8	10	12	14
m	200	200	200	200	200	150	100
daN	400	600	800	1400	2000	2500	3800
g/m	12	19	24	42	70	89	120
wh.-red	1033	1243	1246	1038	1262	1897	1900
wh.-navy	8993	8994	8995	8996	8997	8998	8999
wh.-green	1242	1244	1248	1253	1264	8892	8893
white	1772	1773	1774	1775	1776	1889	1890
white-yellow	2907	2908	8086	8088	8090	8092	-
white-black	2909	2910	8087	8089	8091	8093	-

Premium-quality high-grip Polyester rope offering fantastic value for money

Orion 300 stands out due to its high-quality combination of Polyester core and sheathing. Highly abrasion-resistant, UV-resistant, and easy to splice.

Technical Data

The woven 16-plait sheathing of Orion 300 makes the multi-purpose line abrasion-resistant, easy to splice, and UV-resistant. These characteristics help guarantee this product's long service life.



SCHOT
SHEET
ECOUTE

POLARIS 500



Polyester Soft 16

Polyester

Ø mm	6	8	10	12	14
m	200	200	200	150	100
daN	750	1400	2000	2700	3600
g/m	23	41	68	88	123
red	8606	8608	8609	8610	8611
green	8617	8618	8619	8620	8621
navy	9732	9733	9734	9735	9736
white	8627	8628	8629	8630	8631

Soft, high-grip sheet made of Polyester staple fibers

Made of premium-quality staple fibers, Polaris 500 is utilized as a mainsheet or a genoa sheet. This rope stands out due to its excellent grip, easy handling, its UV resistance, and its good spliceability.

Technical Data

The 16-plait Cover made of Polyester (PES) staple fiber and the 8-plait core made of premium-quality Polyester ensure the multi-purpose sheet's high grip and long service life.

HIGHLIGHTS

- LONG DURABILITY
- EXCELLENT GRIP







DINGH



DINGHY

Whether for sheets or halyards - when sailing on dinghies what counts are the ropes' handling and their breaking loads. In close cooperation with our partners from the pro sailing scene, we have developed ropes that stand out due to their performance - at the Olympic Games, World Championships, and national regattas.

Y



CROSS
OVER

DINGHY STAR



Ø mm	4	5	6
m	100	100	100
daN	800	1300	1900
g/m	11	16	23
white-brown	2667	2668	2669

The high-tech line for ambitious regatta racers

Through the use of the innovative Dyneema® SK90 fiber in the core, the term “high breaking loads” is given a whole new meaning. As Dinghy Star also exhibits only little creep, it lives up to even the highest expectations. The cover made of PBO/Dyneema® SK75 makes Dinghy Star extremely resistant to abrasion and UV radiation. The grip of the PBO used in the cover tends to improve further when in use. This makes this rope even better, especially in the area of the spinnaker halyard.

HIGHLIGHTS

- HIGHEST BREAKING LOAD
- REDUCED ABRASION

CROSS
OVER

DINGHY VECTRAN®

NEW
PRODUCT



Ø mm	2	3	4	6
m	100	100	100	100
daN	180	450	800	1800
g/m	3	8	13	28
neon orange	2976	2980	2984	2988
neon green	2975	2979	2983	2987
red	2977	2981	2985	2989
navyblue	2978	2982	2986	2990

On big yachts, our Admiral Vectran has proven its worth many times over.

This is why we decided to add the DinghyVectran to our Dinghy product range. This rope combines minimal stretch with highest breaking loads. Its impregnated core is extremely abrasion-resistant and, in a stripped version, well suited for use in regatta racing.

Technik

Its PES cover makes Dinghy Vectran extremely abrasion-resistant. Double protection is provided for its Vectran® core: together with the cover, the special impregnation developed by FSE Robline protects the core against UV radiation and abrasion and ensures good adhesion between Vectran® and PES fibers.



TRIM
TRIM
TRIM

CROSS
OVER

OCEAN 7000

PRESTRETCH



Ø mm	2	3	4	5	6
m	200	200	200	200	200
daN	600	1200	2000	2900	4000
g/m	2,7	5,5	9,6	13,9	21,4
anthracite	2853	2854	2855	2856	2857

A rope made of the top Fiber Dyneema® SK90

This top-notch product excels with its weave out of pure Dyneema® SK90. As a result of the specifically developed impregnation, abrasion and UV radiation do not pose problems for Ocean 7000. The rope's other advantages include most of all its enormous breaking loads and its low weight.

HIGHLIGHTS

- MINIMUM CREEP
- HIGHEST STRENGTH
- HIGHEST BREAKING LOAD

DINGHY CONTROL

CROSS OVER



Ø mm	1,7	3	4	5	6
m	100	100	100	100	100
daN	150	450	700	1200	1650
g/m	2	7	11	16	23
white-orange	9445	8117	8121	8123	8125
white-purple	9446	8120	8122	8124	8126
white-red	2124	2125	2126	2127	2128
white-blue	2129	2130	2131	2132	2133
white-green	2134	2135	2136	2137	2138
white-yellow	2139	2140	2141	2142	2143

Lightweight for Dinghies

The Dinghy Control with the FSE Robline impregnation shows braided Polyester sheathing and Dyneema® SK75 core. High-quality manufacturing enables an application in stripped conditions and is used in competition rigging.

Technical Data

The sheathing of the Dinghy Control consists of high-quality Polyester fibers, and the Dyneema® SK75 core has been impregnated with the innovative FSE Robline technology. A combination that offers the utmost satisfaction.

Ø 1,7-4mm Ø 5-6 mm



RACING SHEET PRO

SCHOT SHEET ECOUTE



Ø mm	6	8	9	10
m	200	200	200	200
daN	1100	1900	2400	2900
g/m	20	33	39	48
red	2345	2346	2347	2348
green	2353	2354	2355	2356
blue	2349	2350	2351	2352

Enhanced stability with Racing Sheet Pro

Racing Sheet Pro is the outcome of FSE Robline's continued development efforts. Made of a mix of impregnated Dyneema® and XLF, the core provides even greater stability in the clamps and allows sailors to use Racing Sheet Pro also in its stripped state. The cover made of a Polyamide Dyneema® weave makes this sheet abrasion resistant, and gives it a good grip and excellent stretch performance.

Technical Data

The Dyneema® SK75/Polyamide blend of sheathing protects the impregnated Dyneema® core from abrasion and solar radiation and provides the rope with extraordinary grip. Dyneema® fibers were used in the manufacture of the core, whereby maximum breaking strengths with minimum elongation and more stability in the cleats are assured.



RACING SHEET

SCHOT SHEET ECOUTE



Ø mm	4	5	6	7	8	9	10
m	200	200	200	200	200	200	200
daN	500	700	1100	1400	1900	2400	2900
g/m	7	12	18	24	31	38	48
blue	7889	7894	7899	8686	7904	7909	7914
grey	7891	7896	7901	8688	7906	7911	7916
red	2388	2389	2390	2391	2392	2393	2394

A fantastic sheet for all dinghy classes

Racing Sheet is the sheet of choice of Olympic gold medalists, World and European champions. Developed in cooperation with several top athletes from the sailing scene, Racing Sheet combines all features required of high-performance ropes.

Technical Data

Racing Sheet consists of a hollow weave of a special type of Polyamide and Dyneema® SK75. This combination gives the sheet excellent abrasion resistance and fantastic stretch values coupled with a great grip - even when the sheet is wet. Also, Racing Sheet does not absorb any water.





TRIM
TRIM
TRIM

8-PLAITED DINGHY PRO



Polyester /
Polyamide 8 Polyester

Ø mm	4	5	6
m	100	100	100
daN	390	560	820
g/m	14,7	20,2	31,1
red-grey	2838	2841	2844
blue-grey	2839	2842	2845
black-grey	2840	2843	2846

The successor of 8-Plaited Dinghy

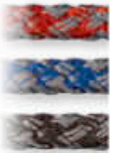
8-Plaited Dinghy Pro is the result of continued development efforts. This becomes particularly noticeable in this rope's grip which makes it easier to control. In addition, 8-Plaited Dinghy Pro offers better stability in the cleats. The proven characteristics of 8-Plaited Dinghy such as compactness, dimensional stability, and minimal absorption of water were of course maintained.

Technical data

The Polyester/Polyamide cover of 8-Plaited Dinghy Pro combines high abrasion resistance with excellent grip and optimum handling.

HIGHLIGHTS

- EXCELLENT GRIP
- HIGH ABRASION RESISTANCE
- MINIMUM WATER ABSORPTION



TRIM
TRIM
TRIM

8-PLAITED DINGHY



Polyester 8 Polyester

Ø mm	4	5	6
m	100	100	100
daN	390	560	820
g/m	13	21	30
red-silver	9661	9666	9671
black-silver	9664	9669	9674
blue-silver	9662	9667	9672
white-silver	9663	9668	9673

Pre-stretched Polyester rope for a variety of uses

8-Plaited Dinghy is used for tackles and tackle blocks but can also be used as leech line. It impresses mainly with its compactness, dimensional stability, and minimal water absorption.

Technical Data

The woven 8-plait Polyester cover of 8-Plaited Dinghy provides UV and abrasion protection, and the Polyester core keeps the rope compact and dimensionally stable.



CROSS
OVER

SCHOT
SHEET
ECOUTE

DINGHY LIGHT



XLF 32 XLF

Ø mm	4	6	8
m	100	100	100
daN	250	500	850
g/m	8	16,4	29
black-yellow	9694	9695	9696
red-yellow	9688	9689	9690
blue-yellow	9691	9692	9693

The ultimate dinghy sheet and multi-purpose rope

Dinghy Light is a rope made of an XLF core/sheathing weave. It is used wherever low water absorption is crucial, making it particularly recommendable for use as a light-weight spinnaker sheet.

Technical Data

The cover, made of XLF is a 32-plait weave offering excellent abrasion resistance. For the core, an 8-plait weave is used, making the rope round and compact.







DINGHY SHEET

SCHOT SHEET ECOUTE



Ø mm	6	7	8
m	200	200	200
daN	425	600	750
g/m	19	32	40
red-anthracite	2970	9032	2973
black-anthracite	2971	2972	2974

This kink-free sheet is the choice of Olympic champions

Dinghy Sheet combines all the characteristics one could possibly want in a sheet. It does not kink, provides a fantastic grip, and has a compact, round shape.

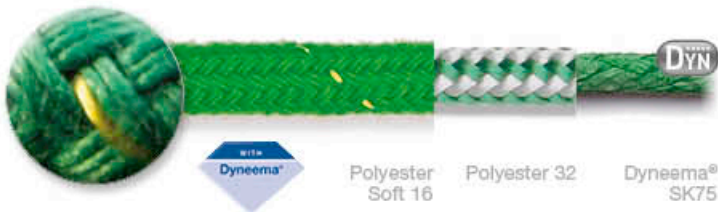
Technical Data

An improved production method makes it possible for the Polyester sheathing of Dinghy Sheet to exhibit enhanced abrasion resistance, high grip, and UV resistance.



TAPERED DYNEEMA®

FALL HALYARD FALD SCHOT SHEET ECOUTE



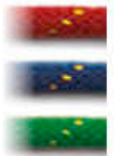
Ø mm	7	9
m	200	200
daN	1200	1600
g/m	30	48
red	2100	2101
blue	2104	2105
green	2102	2103

2-times taperable Dyneema® sheet

The Tapered Dyneema® appears in the market with two sheathings made of high-quality Polyester and an Impregnated Dyneema® SK75 core. This processing enables 3-times the tapering of the sheet and makes the Tapered Dyneema® the ideal rope in a multitude of applications. The 16-plait soft Polyester sheathing makes the Tapered Dyneema® soft and gives it maximum grip. The second sheathing guarantees abrasion resistance and compactness. Furthermore, the impregnated Dyneema® SK75 core protects the rope from abrasion.

Technical Data

Tapered Dyneema® was made of two sheathings ensuring the rope's excellent handling, high abrasion resistance, and compactness. The S.Y.I.S.-impregnated core made of Dyneema® SK75 provides for high breaking loads and a compact finish.



SATURN

FALL HALYARD FALD



Ø mm	4	5	6	8	10
m	200	200	200	200	200
daN	450	680	1000	1300	2350
g/m	13	19	27	46	70
white	1158	1689	1692	1139	1696

The traditional rope for dinghies

This classic is found aboard a great number of dinghies and keel boats. Saturn is mostly used as a halyard, and can be spliced easily with a wire rope foresheet.

Technical Data

Saturn is a pre-stretched laid 3-strand Polyester (PES) line - easy to splice and low stretch.

ALBATROS

TRIMM TRIM TRIM SCHOT SHEET ECOUTE



Ø mm	6	8	10
m	200	200	200
daN	350	650	900
g/m	14	24	38
red-blue	3014	3080	3110
yellow-red	3077	3081	3109

Buoyant light-wind sheet

Albatros stands for floatability, light weight, and signal colours and is used mainly as a light-wind sheet or safety rope.

Technical Data

The 8-plait weave made of XLF makes Albatros floatable and ensures its round shape and good handling.





WHY TAPERED ROPES?

Like all of FSE Robline's other products, our range of „tapered ropes“ stands out with its top performing characteristics.

These include superior abrasion resistance, extra low elongation, and the use of high quality raw and finished materials

obtained from select suppliers. The use of high quality materials runs through the entire product portfolio. This translates into improved handling and an attractive design.



OVERVIEW TAPERED ROPES

Field of application	Article-No.	Material	Length			Diameter			Colour
Opti Main Sheet 7 m	7818	PES	1,5	2,5	3	6,5	9	6,5	navy/silver
Opti Main Sheet 7 m	7408	XLF	1,5	2,5	3	6,5	9	6,5	red/silver
Spi-Sheet 11 m (420)	7583	PES/Dyneema®	3,1	4,8	3,1	4	6	4	green/silver
Spi-Sheet 18 m (470)	7584	PES/Dyneema®	4,5	9	4,5	4	6	4	red/silver
Cat Sheet 16 m	7457	PES	10	6		9,5	6,5		navy/silver
Spi-Sheet 18 m (H-Boat)	7466	PES/Dyneema®	7,5	10,5		5	8		green/silver
Spi-Sheet 18 m (H-Boat)	7474	PES/Dyneema®	7,5	10,5		5	8		red/silver
Spi-Sheet 20 m (Dragon)	7472	PES/Dyneema®	7	13		5,2	8,3		green/silver
Spi-Sheet 20 m (Dragon)	7471	PES/Dyneema®	7	13		5,2	8,3		red/silver
Spi-Sheet endless	7483	PES/Dyneema®	10	13	10	6	9	6	navy/silver
Generic Tapered Sheet 20 m	8135	PES/Dyneema®	10	10		4	6		green/silver
Generic Tapered Sheet 20 m	8139	PES/Dyneema®	10	10		4	6		red/silver
Generic Tapered Sheet 24 m	8136	PES/Dyneema®	12	12		6	9		green/silver
Generic Tapered Sheet 24 m	8140	PES/Dyneema®	12	12		6	9		red/silver
Generic Tapered Sheet 30 m	7541	PES/Dyneema®	15	15		10	7		green/silver
Generic Tapered Sheet 30 m	7542	PES/Dyneema®	15	15		10	7		red/silver
Generic Tapered Sheet 36 m	8138	PES/Dyneema®	18	18		8	12		green/silver
Generic Tapered Sheet 36 m	8158	PES/Dyneema®	18	18		8	12		red/silver

Using our tapered sheets gives you the winning edge:

- professional machined tapering with even transitions
- reduced weight of the yachting ropes
- strength, exactly where it counts
- improved handling
- smaller rope diameter generates less friction in the blocks/halyard pulleys and therefore minimizes the physical effort required
- less rope chaos on board

These benefits might just make the difference for you to claim victory! So these are plenty of reasons why you should never set sail without „tapered ropes“ made by FSE Robline.

Construction

Mix of Dyneema® with a PA/PES-yarn for high loads, low elongation and excellent grip.





DOCK L



DOCK LINE & ANCHOR LINES

Yachting ropes made by FSE Robline are being used all around the globe, and for several good reasons. In the case of mooring and anchor lines, special attention is paid to abrasion resistance, stretch and spliceability. There is no doubt that all these properties are perfectly combined in our FSE Robline products.

LINE



ANKERLEINE
ANCHORING
ANKRING

PORTOFINO



Polyester

The mooring line featuring highest abrasion resistance

It stands out primarily due to its extremely high abrasion resistance and excellent stretch characteristics. This mooring line is highly resistant to friction, and – thanks to high-quality workmanship – it remains flexible in use.

Technical data

The Portofino consists of a 12-plait Polyester which gives this rope perfect stretch values and abrasion strength. Its hollow weave design makes this mooring line easy to splice. All in all, the perfect mix for a mooring line!

Ø mm	10	12	14	16
m	200	150	150	150
daN	2500	3100	3700	4500
g/m	65	85	110	140
white	2834	2835	2836	2837

HIGHLIGHTS

- HIGHEST ABRASION RESISTANCE
- PERFECT STRAIN VALUES

ANKERLEINE
ANCHORING
ANKRING

RIO



Polyester
16 / 20 / 24 / 32

Polyester

PES

Kink-free mooring rope for lovers of beauty

Rio comes in a variety of diameters and colours and excels due to its immense resistance to abrasion and its exceptional grip. Rio also impresses with its high breaking loads, UV resistance, and good spliceability.

Technical Data

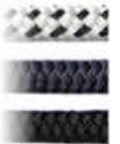
Sheathing and core of Rio consist of high-quality PES, making the mooring rope soft and lastingly beautiful. The 8-plait weave of the core gives Rio its high breaking loads.

Ø mm	8	10	12	14	16	18	20	24*	28*	32*
m	200	200	150	100	150	100	100	200	120	165
daN	1400	2000	2800	3900	4500	5500	6600	10000	13500	15600
g/m	42	69	97	127	163	196	260	384	455	610
white-black	1032	1123	1862	1863	1906	1129	1130	7946	7948	7949
navy	9033	9034	9035	9036	9037	9038	9039	9041	9043	9044
black	9045	9046	9047	9048	9049	9050	9051	9053	9055	9056

* coil

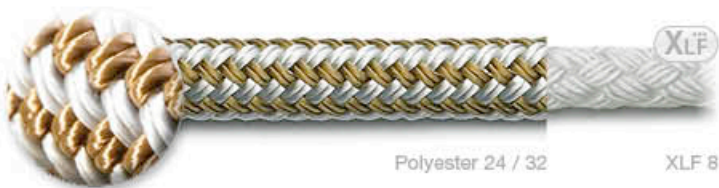
HIGHLIGHTS

- HIGH BREAKING LOAD
- HIGH ABRASION RESISTANCE



BESTMÄCHER
DOCK LINE
FORTÄJNING

MONTE CARLO



Polyester 24 / 32

XLF 8

Highest quality and excellent stretch characteristics

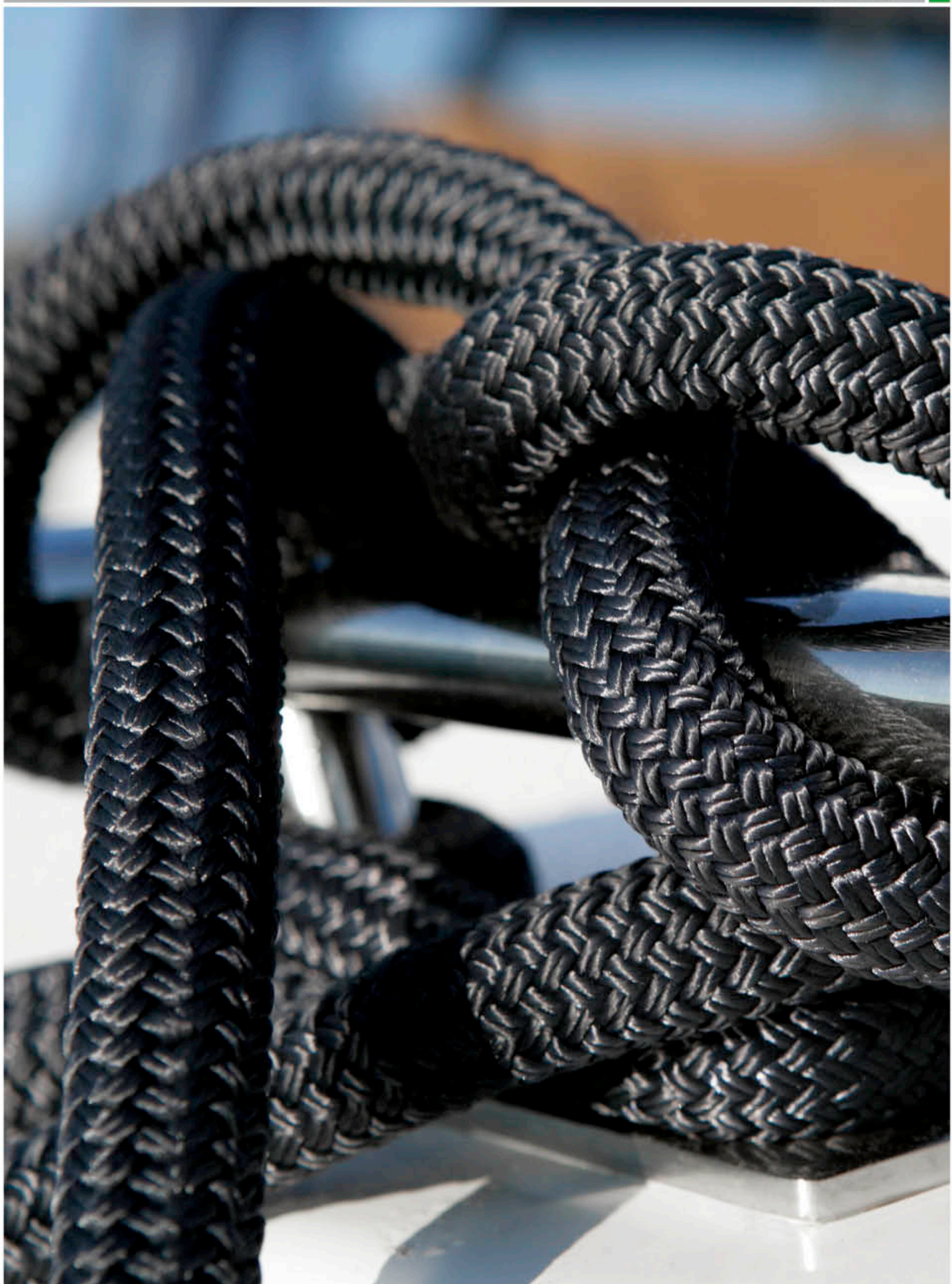
Monte Carlo is the perfect match for boaters looking for modern design paired with top functionality. Excellent grip, high breaking loads, UV resistance, and best spliceability are only a few of its many advantages.

Ø mm	10	12	14	16	18
m	150	150	150	150	150
daN	1600	2200	3000	4000	4800
g/m	51	73	98	124	155
gold-white	9705	9588	9590	9592	9707
black-white	9706	9589	9591	9593	9708
silver	2872	2873	2874	2875	2876

Technical Data

Depending on the diameter, the sheathing of the Monte Carlo consists of a 24-plait (10 mm) or 32-plait (12-18 mm) weave of premium-quality Polyester (PES), while the core is made up of an 8-plait weave of Xtreme Light Fiber (XLF).







RAPALLO

ANKERLEINE
ANCHORING
ANKRINGFESTTRÄGER
DOCK LINE
FORTJUNING

Polyester 3

Ø mm	6	8	10	12	14	16	18	20	24*	28*	32*	36n*	40n*
m	200	200	200	150	100	70	70	100	100	250	125	200	150
daN	750	1200	1950	2700	3000	4600	5700	7000	10200	13500	15300	21000	28000
g/m	24	43	68	94	133	163	212	244	351	490	620	820	997
white	1052	1655	1054	1860	8470	8472	8582	1673	1675	7940	7942	7943	7944
navy	7364	7365	7366	7367	8469	8471	8458	7371	7540	7934	7936	7937	7938

n = Available only on demand

* coil

The classic model among mooring ropes providing high abrasion resistance

Rapallo excels due to its excellent stretch characteristics, high abrasion resistance, and highest UV resistance. Therefore, it is not surprising that it has become one of the all-time classics among mooring and anchor ropes over the years.

Technical Data

Rapallo is a laid 3-strand mooring rope made of premium-quality Polyester. The combination of first-rate raw materials with state-of-the-art workmanship gives Rapallo a high grip and makes it easy to splice.

HIGHLIGHTS

- HIGH ABRASION RESISTANCE
- HIGHEST UV-RESISTANCE



CORMORAN

FESTTRÄGER
DOCK LINE
FORTJUNING

XLF 3

Ø mm	6	8	10	12	14	16	18	20
m	200	200	200	150	100	70	70	100
daN	500	900	1300	1800	2300	3000	3500	4000
g/m	17	29	43	59	80	106	136	148
navy	9065	9066	9067	9068	9069	9070	9071	9072
black	9073	9074	9075	9076	9077	9078	9079	9080
white	3169	3028	3049	3270	3273	1905	8581	3190

Floatable, twisted mooring rope with high elasticity

Offering excellent value for the money, Cormoran is mainly suited as a mooring rope for beginners. The twisted 3-strand mooring rope is dirt-repellent, extremely light-weight, floatable, and does not absorb water.

Technical Data

Not only is twisted 3-strand mooring rope made of XLF, which is extremely light weight, it also provides optimum grip and allows only minimal water absorption. The use of XLF makes Cormoran floatable and easy to splice.



PALERMO

ANKERLEINE
ANCHORING
ANKRINGFESTTRÄGER
DOCK LINE
FORTJUNING

Polyamide 3

Ø mm	10	12	14	16	18
m	200	150	100	150	100
daN	2200	3000	4000	5000	6500
g/m	58	83	111	138	183
white	0041	0271	0277	0122	0125

Mooring rope featuring high breaking loads and excellent stretch performance

Palermo combines high breaking loads with good stretch performance, offers optimum handling, is easy to splice and versatile in use.

Technical Data

Palermo is made of twisted 3-strand Polyamide ensuring excellent stretch performance.



WHAT DOES 3S MEAN TO YOU?

You can offer your customers FSE Robline's best performing rope products

3S includes different product lines:

- » 33 individual products
- » 2-3 different colours
- » diameter range from 8 mm to 14 mm (depending on the product)

Easy order- and re-ordering

Packaging information is easy to understand for the customers

ADVANTAGES

- » Simplifies the sales process
- » Each product is self explanatory and can sell itself
- » No loss due to wrong measuring
- » Improves the stock turn
- » No short lengths left
- » Lower inventory, but a wider range of products with a smaller buying volume
- » Very short delivery time
- » Easy-to-order



SIMPLE SELLING SYSTEM



SCHOT
SHEET
ECOUTE

3S SIRIUS 300

with soft shackle



Ø mm	10	12	14
m	18	22	30
daN	1450	2000	2650
g/m	71	103	140
white-navy	2379	2380	2381
white-red	2382	2383	2384

for boatlengths	29 - 33 feet	34 - 42 feet	43 - 50 feet
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Technical Data

Excellent abrasion resistance due to the woven 32-plait sheathing and low stretch are its hallmark characteristics. Premium-quality PES fibers are used in the core, aptly rounding off the perfect general picture.

FALL
HALYARD
FALD

3S SIRIUS 500

with shackle



Ø mm	8	10	12
m	30	35	40
daN	1800	2600	3600
g/m	49	71	103
red	2259	2260	2261
navy	2267	2268	2269
silver	2385	2386	2387

for boatlengths	< 28 feet	29 - 33 feet	34 - 42 feet
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Technical Data

Sirius 500 consists of a highly abrasion-resistant 32-plait Polyester sheathing and an 8-plait core. The core dependent splice allows optimum utilization of the breaking loads.

FALL
HALYARD
FALD

3S SIRIUS 500

with swivel



Ø mm	8	10	12
m	30	35	35
daN	1800	2600	3600
g/m	49	71	103
white-red	2300	2301	2302
white-navy	2307	2308	2309
white-green	2304	2305	2306

for boatlengths	< 28 feet	29 - 33 feet	34 - 42 feet
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Technical Data

Excellent abrasion resistance due to the woven 32-plait sheathing and low stretch are its hallmark characteristics. Premium-quality PES fibers are used in the core, aptly rounding off the perfect general picture.

FALL
HALYARD
FALD

3S GLOBE 1000

with shackle



Ø mm	8	10	12
m	30	35	35
daN	2250	3400	4600
g/m	41	58	86
white-navy	2271	2274	9258
white-red	2270	2273	9259
white-green	2272	2275	9260

for boatlengths	< 30 feet	31 - 38 feet	39 - 45 feet
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Technical Data

The woven 24-plait Polyester cover of Globe 1000 rests on a soft intermediate sheath made of staple fibers. The cover and intermediate sheath protect the Dyneema® SK75 core against abrasion and facilitate the splicing of Globe 1000.



T40

ANKERLEINE
ANCHORING
ANKRINGFESTMACHE
DOCKLINE
FESTBUNING**Eyesplice:**

10-12mm: 250mm
14-16mm: 350mm

Polyester

Ø mm	10	12	14	16
m	8	8	10	10
daN	1280	1760	2400	3200
g/m	68	94	133	163
white	2144	2145	2146	2147

Technical Data

T40 is made of high quality Polyester.

T50

ANKERLEINE
ANCHORING
ANKRINGFESTMACHE
DOCKLINE
FESTBUNING**Eyesplice:**

10-12mm: 250mm
14-16mm: 350mm

Leather

Ø mm	10	12	14	16
m	8	8	10	10
daN	1280	1760	2400	3200
g/m	68	94	133	163
navy	2148	2149	2150	2151

Technical Data

T50 is made of high quality Polyester.

T60

FESTMACHE
DOCKLINE
FESTBUNING**Eyesplice:**

10-12mm: 250mm
14-16mm: 350mm

Polyester

Ø mm	10	12	14	16
m	8	8	10	10
daN	1280	1760	2400	3200
g/m	51	73	98	124
gold-white	2152	2153	2154	2155

Technical Data

The sheathing is a 16-plait, 24-plait, or 32-plait weave of high quality Polyester. Its core is made of an 8-plait of Xtreme Light Fibers (XLF).

T70

ANKERLEINE
ANCHORING
ANKRINGFESTMACHE
DOCKLINE
FESTBUNING**Eyesplice:**

10-12mm: 250mm
14-16mm: 350mm

Leather

Ø mm	10	12	14	16
m	8	8	10	10
daN	1600	2240	3120	3600
g/m	69	97	127	163
navy	2156	2157	2158	2159

Technical Data

Sheathing and core consist of high quality Polyester. Depending on the diameter, different plaits are used to cover the 8-plait meshwork core.



READY MA



READY MADE PRODUCTS

Ready made products make your life easier. Ready for use, self-explanatory, and, above all, without requiring additional, time-consuming customization - these are the convincing advantages of FSE Robline's ready made products. Pioneers in this segment, FSE Robline's ready made products excel, just like the rest of our huge portfolio of products, through their high quality and impeccable workmanship.

READY MADE



THE ANSWER TO ALL YOUR QUESTIONS!

Ready made products make everyone's life easier. FSE Robline's ready made products mean they are ready for use by your customers. All products have been made with an eye splice, thimble or suitable tackle.

You'll find all packages are labelled so that identifying the right product for a specific application is easy.

The products of these 4 pages have following advantages:

- » Ready for use
- » Self-explanatory
- » No additional time-consuming work
- » No short length left

RAPALLO



Ø mm	m	Eyesplice (mm)	Art.Nr	Art.Nr
10	4	250mm	☐ 9718	■ 9722
10	6	250mm	☐ 8351	■ 7690
10	10	250mm	☐ 8350	
12	4	250mm	☐ 9719	■ 9723
12	6	250mm	☐ 8353	■ 7607
12	10	250mm	☐ 8352	■ 7608
14	4	350mm	☐ 9720	■ 9724
14	6	350mm	☐ 8355	■ 7463
14	10	350mm	☐ 8354	■ 7609
16	4	350mm	☐ 9721	■ 9725
16	6	350mm	☐ 8357	■ 7465
16	10	350mm	☐ 8356	■ 7464



Ø mm	m	Thimble	Art.Nr	Art.Nr
8	40	plastic	☐ 5171	
10	2,5	plastic	☐ 8343	■ 8702
10	4	plastic	☐ 8344	■ 8701
10	40	plastic	☐ 5172	
12	2,5	plastic	☐ 8345	■ 7602
12	4	plastic	☐ 8346	■ 7605
12	40	plastic	☐ 5173	
14	2,5	plastic	☐ 8347	■ 7604
14	4	plastic	☐ 8348	■ 7601
14	40	plastic	☐ 5174	
16	4	plastic	☐ 8349	■ 7606
16	40	plastic	☐ 5175	

RAPALLO



Ø mm	m	Thimble	Art.Nr
8	20	stainless	☐ 1657
8	30	stainless	☐ 1658
10	20	stainless	☐ 1660
10	30	stainless	☐ 1661
12	30	stainless	☐ 1663
14	30	stainless	☐ 1668

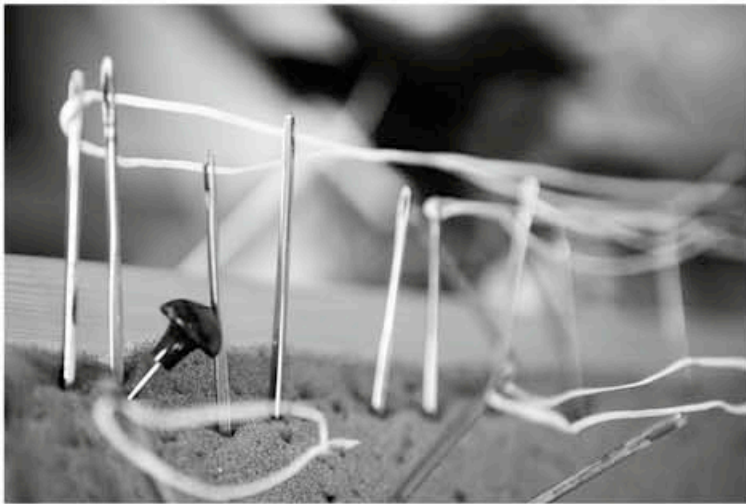
CORMORAN



Ø mm	m	Eyesplice (mm)	Art.Nr
10	10	250mm	■ 9333
12	6	250mm	☐ 7970
14	6	350mm	☐ 7968



Ø mm	m	Eyesplice (mm)	Art.Nr
12	4	plastic	☐ 7971
14	4	plastic	☐ 7969



RIO



COVER ONLY FENDER LINE



Ø mm	m	Eyesplice (mm)	Best.nr
8	5	200mm	■ 1184
10	6	250mm	■ 1189
10	10	250mm	■ 9533
12	7	250mm	■ 1372
12	10	250mm	■ 1185
12*	10	250mm	■ 9827
14	10	350mm	■ 1186
14*	10	350mm	■ 9829
16	10	350mm	■ 1392
10	6	250mm	■ 8708
12	6	250mm	■ 8707
14	7	350mm	■ 8706
16	8	350mm	■ 8705

Ø mm	m	Best.nr
12	2,5	■ 2883
12	2,5	■ 2884
12	2,5	■ 2885

TWISTED FENDER LINE



* With chafing protection

Ø mm	m	Eyesplice (mm)	Art.Nr	Art.Nr
6	1,5	40mm	■ 9322	■ 9324
6	2	40mm	■ 9323	■ 9325
8	1,5	40mm	■ 9326	■ 9328
8	2	40mm	■ 9327	■ 9329
10	2	40mm	■ 9330	■ 9331

RIO



BRAIDED FENDER LINE



Ø mm	m	Thimble	Art.Nr
10	30	stainless	■ 1367
12	20	stainless	■ 1376
12	30	stainless	■ 1377
14	30	stainless	■ 1128

Ø mm	m	Eyesplice (mm)	Art.Nr	Art.Nr
6	1,5	40mm	■ 9744	■ 9748
6	2	40mm	■ 9745	■ 9749
8	1,5	40mm	■ 9746	■ 9750
8	2	40mm	■ 9747	■ 9751

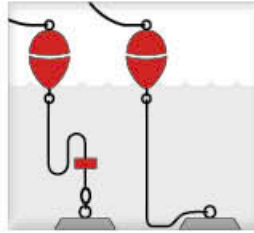


ANKERLEINE
ANCHORING
ANKRING

BUOY MOORING LINE

Buoy Mooring

Stainless Steel Thimble, galvanized Thimble



Ø mm	20*	24*	32*
m	110	110	110
daN	3700	5300	9000
g/m	350	434	594
Buoy Mooring Line	1800	7709	7153
Nirosta Thimble	5087	5227	5176
Galvanizes Thimble	5178	5228	5177

* coil

The fastening system for mooring lines

The technical features of Buoy Mooring Line give it a decisive edge over conventional anchor chains. Provided with a special coating, Buoy Mooring Line is unsusceptible to algae and mollusk growth.

Technical Data

Buoy Mooring Line consists of twisted 3-strand XLF with each of the strands containing a lead core. Polyurethane coating provides additional protection.

ANKERLEINE
ANCHORING
ANKRING

BONIFACIO WINCH



Ø mm	12	14	16	12	14
m	50	50	50	30	30
daN	1600	2000	2400	1600	2000
g/m	240	350	378	240	350
white	8465	8466	8524	8464	8562

Anchoring without a bow roller - sheer innovation

Developed for use with anchor winches, Bonifacio Winch features a leaden core that runs along the entire length of the rope. This design permits horizontal dragging of the anchor, enhances its retention power, and also dampens the boat's movements. The spliced-in stainless-steel thimble permits quick fastening of the anchor, and the delivery in a practical storage bucket facilitates its use aboard your vessel.

Technical Data

When making Bonifacio Winch, great importance was attached to using only premium-quality materials for both sheathing and intermediate cover. PES fibers keep the Polyurethane-coated core from slipping out. This way, the rope is protected against corrosion and the environment is protected, as well.

ANKERLEINE
ANCHORING
ANKRING

POSEIDON



Ø mm	10	12	14	16
m	50	50	50	50
daN	1700	1900	2600	3700
white	2661	8526	8527	8528

Leaded anchor rope meeting highest demands

In the case of Poseidon, lead inserts are integrated into the core over one quarter of its total length, making it easier to drag the anchor horizontally and enhance its retention power. In addition, the rope is easier to lift, and there are no longer problems with chafing. Poseidon is delivered in a bag with spliced-in stainless steel thimble.

Technical Data

A premium-quality PES sheathing made of a 16-plait weave and an intermediate cover also consisting of PES prevents the lead insert of slipping the rope. A Polyurethane coating affords additional protection to the insert.

EXTENSION MOORING

FESTMÄCHER
DOCKLINE
FERTIGUNG

Ø mm	12	14	16
m	6	6	6
daN	2430	2900	4100
black	7363	1798	1799



The mooring rope with shock absorption

The brilliantly integrated shock absorption system of Extension Mooring is what makes this mooring rope unique. The shock absorber gives Extension Mooring excellent stretch characteristics and makes it the ideal permanent mooring solution in harbors.

Technical Data

Extension Mooring consists of a 16-plait Polyamide hollow weave giving the mooring rope excellent stretch characteristics and making it easy to splice. A special coating reduces water absorption and enhances abrasion resistance.

MIAMI

FESTMÄCHER
DOCKLINE
FERTIGUNG

Ø mm	12	14	16
m	6	6	6
daN	2700	3200	4400
g/m	67	96	119
black / black	2917	2918	2919
navy / silver	2886	2887	2888
red / silver	2877	2878	2879



Innovative mooring rope with shock absorber

Miami combines high abrasion resistance with good stretch characteristics and a shock absorber. The sheathing made of premium-quality Polyester was provided with an integrated, heavy-duty rubber shock absorber, thus ensuring optimum absorption behavior. The handy eye splice readies Miami for instant use.

Technical Data

Miami's 12-plait hollow weave ensures high abrasion resistance and optimum UV stability and gives the rope excellent stretch characteristics. The integrated rubber shock absorber further enhances the rope's shock absorbing power.

WIRE LOCK

Ø mm	9	9	9	9
m	1	1,5	3	5
black	7811	9713	7700	7698
red-black	-	9715	9585	9587



Security without scratching and dents

Wire Lock is our solution for securing boats, outboard engines, surfboards, or bicycles. Thanks to its stainless steel core around which Polyester is braided, Wire Lock protects your property such that it will not suffer damage caused by chafing.

Technical Data

Wire Lock's backbone is a 7x19 stainless steel wire around which a 32-plait PES sheathing is braided and that prevents chafing and protects the core against UV radiation. The eyes are protected by a rubber sleeve.



ALLROUND ROPES

FSE Robline's range of multi-purpose cordage proves that our long-standing experience in the development and production of ropes does not stop short of multi-purpose ropes. First-rate, cutting-edge production processes ready these lines for a variety of potential uses.

UNIVERSAL

Ø mm	8	10
m	200	200
daN	700	900
g/m	21	33
yellow-red	3015	3016

An easy to spot security rope of XLF

The rope is conceived as tow rope or other floating line. Bright colours make it easy to see.

Ø mm	2	2,5	3	4	5	6
m	400	280	200	200	200	200
daN	100	150	220	370	500	600
g/m	2	5	6	10	17	22
white	7770	7769	1013	1016	1019	1022

All-purpose rope with good resistance to abrasion and stretch.

Ø mm	1	2	3	4	5	6	8	10
m	600	400	200	200	200	200	200	200
daN	40	90	180	310	450	550	950	1500
g/m	1	2	4	7	13	19	37	54
white	7771	7772	1126	1110	1736	1021	1024	1025
20m	-	-	3120*	3122*	-	-	-	-
50m	-	-	3121*	3123*	-	-	-	-

* plastic card

Low-stretch, easy to handle, all-purpose Polyester rope.

Ø mm	1	1,5	2	2,5	3	4	5	6	8
m	600	500	400	280	250	250	250	100	200
daN	40	60	80	120	180	310	510	740	1210
g/m	1	1	2	3	5	7	12	18	33
white	7762	7761	7764	7763	7765	7766	7767	0138	0018

Durable, all-purpose Polyamide rope.

Ø mm	3	4	5	6	8	10
m	500	500	200	200	200	200
daN	100	200	320	450	650	1100
g/m	3	5,4	9	16	27	40
white	3001	3002	3004	3008	3009	3010
20m	3091*	3097*	-	-	-	-
50m	3090*	3092*	-	-	-	-

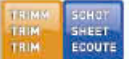
* plastic card

Plaited all-purpose floating rope with high elasticity.

Ø mm	3	3,5	4	4,5	5
m	200	100	100	100	100
daN	210	290	310	400	450
g/m	5,7	8,8	10,3	12	13
white	7760	0034	0035	0036	0037

A rope which has been specifically developed as a motor starter rope. It is characterised by its high resistance to abrasion and minimal stretch.

FLOATING SECURITY LINE



Construction

XLF

Floating Security Line is made of 16-plait XLF hollow fiber, making it buoyant and easy to splice.

POLYESTER 16



Construction

A 16-plait PES sheathing covers an 8-plait core.

POLYESTER 8



Construction

8-plait PES rope.

POLYAMIDE 8



Construction

8-plait PA rope.

XLF 8



Construction

8-plait rope of XLF.

POLYAMIDE 16-START



Construction

A 16-plait outer sheathing covers an 8-plait PA core.



SAILMAKER

It is the synergy between tradition and innovation that catapults FSE Robline's ropes and lines into a league of their own. Our 200 years of company history have generated the wealth of experience needed for the production of high-performance ropes. Continued development provides the basis for the creation of innovative solutions. Catering to the pros of the sailing scene, we make no compromises in terms of quality and performance and rely on nothing but highest-quality materials.

SAILMAKER

Ø mm	3	4	5	6	7	8	10
m	250	200	100	100	200	100	100
daN	28	56	60	66	88	111	166
g/m	6	13	17	25	37	45	81
white-red	7738	7739	5159	5160	3340	5161	5162
black	9081	9082	5058	9083	2935	9084	9085

Shock Cord for high demands

The sheathing of the rubber line is made of highly abrasion-resistant Polyester, while the core consists of premium-quality rubber. This combination makes the line compact, stable, and durable.



Technical Data

Multi-plait PES sheathing with parallel rubber core.

Ø mm	5	6	7	8	10
m	200	200	200	200	200
daN	400	650	950	1300	1800
g/m	11	15	24	32	49
white	6009	6010	6011	6012	6013

Premium-quality line with low creep

Made of high-strength and low-stretch XLF, Polynite exhibits low creep and is therefore perfectly suited as leech line.



Technical Data

Polynite is a twisted 3-strand rope made of high-quality XLF. The result is low creep.

Ø mm	3	4	4,5	5	6	7	8
m	200	200	200	200	200	200	200
daN	150	220	280	350	450	650	1000
g/m	7	10	15	18	25	36	49
white	1402	1403	1404	1405	1406	1733	1734

Compact profile line for your luff

A highly compact and abrasion-resistant profile line featuring a smooth sheathing. Ideal as a luff line in all makes of sails.



Technical Data

Profile-Line features a 16-plait PES sheathing with a very small lay length, while the core is made of woven 8-plait PES.

Ø mm	8	10	11	14
m	200	200	200	200
daN	4000	6000	8500	13500
g/m	58	83	100	160
white	2106	2662	2107	2108

State-of-the-art sailmaker

GFL is used mainly as luff line for genaker and Code Zero sails and exhibits its high breaking loads also on large-sized yachts. Its design focuses primarily on ensuring spliceability and preventing the loss of maximum tensile force values in the splice. Therefore, its torsional rigidity and UV stability are what makes GFL unique.



Technical Data

The compact 32-plait PES sheathing makes the sailmaker abrasion-resistant and UV-stable and gives the product no chance for a core/sheathing displacement. For the core, we rely on a 12-plait Vectran® fiber for lowest stretch, and the additional impregnation provides protection against UV radiation and abrasion.

Ø mm	1,7	2,5	3	4	5	6
m	200	200	200	200	200	200
daN	100	200	300	500	750	1000
g/m	2,4	4,8	6,6	10,7	17,8	25
white-yellow-red	6006	6007	1666	1050	1633	1051

Low-stretch leech line

Leech Line 3000 excels mostly when used as leech line or for clam cleats. The Polyester sheathing makes Leech Line 3000 immensely dimensionally stable, and the Aramide core ensures lowest stretch.



Technical Data

Leech Line 3000 is available in 6 different diameters, premium-quality Polyester being invariably used for its sheathing. The Aramide core lends the line its low-stretch characteristics.



TRIMLINE ORION 500



Polyester 16

Polyester

Ø mm	2	3	4	5	6
m	250	200	125	100	100
daN	60	150	300	440	550
g/m	2	5	10	16	24
white-red	7747	7753	7759	1783	1784

Technical Data

In Trimline Orion 500 you will encounter premium-quality PES in both sheathing and core, making splicing of the rope fast and easy.

COLOURED TRIM & LEECH LINES



POLYESTER COLOUR

Polyester trim- or flag line.

It is very resistant to UV, is low stretch, and is very resistant to abrasion.

Ø mm	3	4	5	6	Ø mm	3	4	5	6
m	200	200	200	200	red	0022	0027	0201	
daN	150	280	450	550	blue	0023	0028	0203	
g/m	4	7	13	16	green	0024	0029	0204	
					black	0025	0030	0106	0032

Technical Data

8-plait PES rope.



MINI-SPOOLS POLYESTER COLOUR

Applicable as a flag- or trim line with low stretch and high resistance to abrasion and UV.

Available in four colours. One box contains 10 items, ordered by colour.

Ø mm	3	Ø mm	3	Ø mm	3
m	20	red	0179	black	0185
daN	150	blue	0182	assorted colours	0164
g/m	4	grün	0128		

Technical Data

8-plait PES rope.



MINI-SPOOLS ORION 500

All-purpose rope of high quality Polyester.

Supplied on mini-spools, 10 items per box, ordered by colour.

Ø mm	2	3	Ø mm	2	3
m	30	15	red	1296	1306
daN	70	150	blue	1297	1307
g/m	3	6	black assorted colours	9086	9087
				9088	9089

Technical Data

A 16-plait outer cover combined with an 8-plait core, are both of high quality Polyester. Due to this design Orion 500 can be spliced easily and quickly.



MINI-SPOOLS GLOBE 5000

Dyneema® rope on a mini spool for various applications.

Available in a box containing 10 items.

Ø mm	1,7	Ø mm	1,7
m	10	red	2670
daN	130		
g/m	2		

Technical Data

This rope is made with a highly abrasion-proof outer cover of 32-plait PES with a core of high-strength Dyneema® SK75, 12-plait.



MINI-SPOOLS CLASSIC-TEX

The classic look of Classic-Tex makes this line a hit with sailors.

Available in a box containing 10 items.

Ø mm	3	Ø mm	3
m	15	traditional	5319
daN	120		
g/m	5		

Technical Data

3-fold laid XLF rope.

Ø mm	1	2	3	4	Ø mm	1	2	3	4
m	50	40	15	10	white	3281	3117	3095	7119
daN	25	50	100	200					
g/m	1	2	3	5					

Technical Data
8-plait XLF rope.

Ø mm	2	3	4	Ø mm	2	3	4
m	25	15	10	anthracite	9710	9711	9712

MINI-SPOOLS XLF

All- purpose rope, easily handled, for multiple applications.

Available in a box of 10 units each.



MINI-SPOOLS OCEAN 3000

WHIPPING TWINES

Ø mm	1	Ø mm	1
m	50	white	4091

Technical Data
1mm whipping twine made of Dyneema® SK 75.

DYNEEMA® WHIPPING TWINE

Innovative whipping twine made of Dyneema® SK75

Dyneema® whipping twine excels mostly due to its high breaking loads and smooth surface. It is easy to handle and requires no additional waxing. Available in cartons of 10 units each.



Ø mm	0,8	Ø mm	0,8	Ø mm	0,8
m	90	red	9680	black	9677
		blue	9678	brown	9685
		green	9679	assorted colours	0109

Technical Data
Laid, coloured PES whipping twine.

WAXED WHIPPING TWINE

Whipping twine - particularly easy to handle

FSE Robline's waxed whipping twine made of coloured Polyester is particularly easy to handle and impresses users with the high quality of the twisted PES twine. Available in cartons of 10 units each, sorted by colours.



Ø mm	0,5	0,8	1	1,5	Ø mm	0,5	0,8	1	1,5
m	100	90	46	32	white	9635	9676	9640	9681

Technical Data
8-plait whipping twine of PES.

WAXED WHIPPING TWINE

Braided whipping twine with a high wax content

This waxed whipping twine is braided from a diameter of 0.5 mm, it is highly abrasion resistant, and it will not unwind. The new wax formula makes the whipping twine particularly easy to handle. Available in cartons of 10 units each.



Ø mm	0,8	Ø mm	0,8	Ø mm	0,8
m	90	white	9716	brown	9687
		navy	9843		

WAXED WHIPPING TWINE & NEEDLE

Waxed Polyester twine with sailmaker needle.
Available in cartons of 10 units each.





TRADITION



TRADITIONAL ROPES & ACCESSORIES

It is the first impression that counts. With generations of design and development, FSE Robline's range of Traditional products has a classic look and feel. Our experience will deliver a product that has high abrasion resistance and reliable performance over a long period of time.

NAL

SCHOT
SHEET
ECOUTE

DYNEEMA® CLASSIC



Ø mm	10	12	14	16
m	200	150	100	100
daN	4200	5700	7400	9200
g/m	52	85	119	147
traditional	2663	2664	2665	2666

A new edition of this all-time classic

The new Dyneema® Classic is our solution to the requirement for high-tech rigging in traditional style. The 32-plait sheathing made of high-quality Polyester protects the Dyneema® core from UV radiation and abrasion. This processing provides ideal grip, high breaking forces and a simple splicing feature. Due to the traditional look, the multi-functional Dyneema® Classic is exceptionally suited for traditional vessels.

Technical Data

Particular emphasis on high-quality materials was placed in the choice of materials. The sheathing made of 32-plait Polyester is the perfect protective sheathing for the Dyneema® core, which grants the rope excellent breaking forces and elongation properties.

HIGHLIGHTS

- HIGH BREAKING LOAD
- EXCELLENT ELONGATION PROPERTIES
- ALMOST ZERO COVER CORE FRICTION

SCHOT
SHEET
ECOUTE

DOUBLE BRAIDED CLASSIC



Ø mm	10	12	14	16
m	200	150	100	100
daN	2600	3600	4800	6500
g/m	71	103	140	178
traditional	2361	2362	2363	2364

Traditional rigging with high service life

The Double Braided Classic is based on the Sirius construction that has been proven and tested for years and convinces by its ideal grip and high abrasion resistance. The 32-plait braiding of the traditional rope comprises a combination of Polyester staple fiber and Polyester multifilament and provides for long service life.

Technical Data

The 32-plait woven sheath of the Double Braided Classic is made exclusively of premium-quality Polyester fibers. Polyester staple fibers ensure perfect grip, while Polyester multifilaments guarantee high abrasion resistance and a long service life. The 8-plait core gives the sheet its excellent breaking strength.

SCHOT
SHEET
ECOUTE

CLASSIC-TEX



Ø mm	6	8	10	12	14	16	30
m	200	200	200	150	100	150	100
daN	355	595	900	1340	1740	2180	5700
traditional	5312	5313	5314	5315	5316	5317	5318

A new edition of this all-time classic

Made of XLF, Classic-Tex looks like a traditional rope, but behaves like state-of-the-art cordage. Its advantages include a long service life, low stretch, and zero water absorption. Classic-Tex is used as sheet, in tackles, as multi-purpose rope, and for decorative purposes.

Technical Data

3-strand laid rope made of Xtreme Light Fiber (XLF).



SCHOT
SHEET
ECOUTE

SPUNFLEX



XLF 3

Ø mm	6	8	10	12	14	16*	18*	20*	22*	24*	26*	28*	32*
m	220	220	220	220	220	220	220	220	220	220	220	220	220
daN	550	960	1430	2030	2790	3500	4500	5500	6700	7500	8900	10100	11000
g/m	17	29	45	74	94	124	142	184	219	254	320	347	446
traditional	7170	7171	7172	7173	7100	7046	7047	7174	7175	7176	7177	7048	7178

Symbiosis between traditional appearance and cutting-edge technology

Spunflex bridges the gap between modern cordage and traditional appearance. XLF fibers are what make Spunflex long-living, abrasion-resistant, low-stretch, and resistant to water absorption. It is suited for use as multi-function rope and for decorative purposes.

Technical Data

3-strand laid rope made of Xtreme Light Fiber (XLF).

ACCESSORIES

BOWMAN HARNESS

	Size L	Size XL
	75-93 cm	88-107 cm
Art.Nr.	2870	2871

For the pros, by the pros

Our experience in the sports climbing segment gives us the expertise necessary to develop the ideal climbing harness in terms of comfort and safety. A broad back pad and wide leg loops ensure perfect fit and provide unprecedented comfort while up on the mast. Its low weight ensures great freedom of motion, and its special construction guarantees a perfect fit, even when worn on top of oilskins. Holders for the fid, to open the shackle, and loops to fasten any required implements provide for unparalleled ease of handling. The Bowman Harness has been certified to EN 12277 by the German Technical Inspectorate (TÜV) and is available in 2 sizes.



SAFETY NET, SAFETY LINE



Order No:	
Line 100 m Ø 7 mm:	5090
Net 210m Ø 2 mm:	8382
Net 70m Ø 2 mm:	5091

Attention: Line and net have to be separately ordered.

SPLICING SET

WITH STAINLESS STEEL HOOKS



Order No:	5097
Ø mm:	6 / 8 / 10 / 12 / 14

HEATCUTTING DEVICE









Order No:	
Knife:	5023
Cutting Device:	5022

HOW TO USE YACHTING ROPES

ROPE SIZING & CARE

HALYARDS AND SHEETS

Your yacht	Ø mm Halyards			Ø mm Sheets		
	Spi	Genoa	Main	Spi	Genoa	Main
6-8 m	8	8	8	10	10	10
9 m	8	10	10	10	12	10
10 m	10	10	10	10	14	12
11 m	10	12	10	12	14	12
12 m	12	12	12	12	14	12
14 m	12	12	12	14	14	12
16 m	12	14	12	14	14	14
18 m	14	14	14	14	14	14
24 m	16	16	16	16	16	16

Because of the strength of advanced fibers such as Dyneema®, line diameter can be reduced by as much as 2 mm. Breaking strengths, stretch and diameter information developed by FSE Robline are general guidelines to use when selecting cordage. Actual application can vary according to boat type and application.

DOCK LINE

Your yacht	Weight in tons	Dock line ø mm	Anchoring ø mm
6-8 m	2	8-10	12
9 m	4	12	14
10 m	5	12	16
11 m	7	14	16
12 m	8	14	18
14 m	11	16	20
16 m	12	18	20
18 m	20	24	24
24 m	22	26	26

Actual application can vary according to boat type and application.

HANDLING ADVICE FOR YOUR FSE ROBLINE PRODUCTS



CLEANING ROPES

If the lines are used in salt-water, they should be thoroughly washed with fresh water after the season to remove salt-crystals, and other damaging dirt. If the lines are used in fresh water they will still benefit from a good rinsing to remove any dirt particles.



CLEANING IN THE WASHING MACHINE

Ropes that are extremely dirty they can be cleaned in a washing machine, using cold or warm water. Don't use any kind of fabric softener!



STORAGE

Before being put away for the season, or stored for extended periods ropes should be thoroughly dry to avoid mildew. Ropes are best stored hanging up and out of the sun.



KINDS OF FIBERS

MONOFILAMENTS

A few comparably thick fibers (Ø 0,3 mm) are fed parallel into the braiding process.

FSE Robline products: Floating Security Line

MULTIFILAMENTS

Many very thin fibers (0,001 mm) are used as a bundle during the braiding process. This construction is the most widely used kind of construction in yachting ropes.

FSE Robline products: Globe 5000, Orion 300/500

TEXTURED FIBERS

The fibers do not lie parallel in the bundle but along more or less random paths. Therefore the fibre bundle has a comparably rough surface.

FSE Robline products: Racing Sheet

RAW MATERIALS IN DETAIL

POLYPROPYLENE (PP) = XLF

Polypropylene is only used for simple applications due to its limited technical characteristics. PP is very light and is even buoyant. Abrasion resistance and temperature resistance are sufficient. It is typically used for simple docking and mooring lines or for universal applications.

FSE Robline products: Albatros, Cormoran, ...

POLYESTER (PES)

PES has good breaking loads and a low elongation. There are both chemical and physical characteristic advantages like e.g. resistance against seawater, good abrasion resistance (in dry conditions as well as in wet conditions) and also good resistance against sunlight making PES to the most widely used material in yachting ropes. It is used as a material in the core for halyards and sheets as well as for docking and anchoring lines. In the high-tech range Polyester is used as material for the cover. The excellent characteristics of Polyester speak for it self. As Polyester sinks it can also be used for anchoring lines. For high-tech ropes it is used as a material for the cover (protection against UV-radiation) for simple it is also used in the core.

FSE Robline products: Orion 300, Sirius 500, Rio, Rapallo, ...

POLYAMIDE (PA)

Polyamide has a high breaking load as well as high elongation. The abrasion resistance of PA is better in wet conditions than in dry conditions because it tends to take up water (up to 7%). Kept in wet conditions for too long the material can become stiff. Another disadvantage compared to Polyester is the comparably lower resistance against UV-radiation in the sunlight. Therefore PA is increasingly being replaced by Polyester. Polyamide is still widely used for docking and mooring lines and for universal applications.

FSE Robline products: Palermo, ...

PLA YARN

The PLA Yarn are fiber made from Poly Lactic Acid e.g. corn. There is no difference of the technical aspects to regular synthetic fibers, PLA fiber products look and feel just like regular synthetic fiber. Lactic acid is made out of natural sugar resources, which are in turn made by photosynthesis out of CO₂ in plants. They are biodegradable under a specific industrial process. The material can be regarded as "CO₂-neutral" and therefore renewable.

OVERVIEW	POLYPROPYLENE (PP) = XLF	POLYESTER (PES)	POLYAMIDE (PA)
Raw material	XLF Multifilament	PES	PA6 / PA66
Strength (daN/mm ²)	56	110	81
Specific weight (g/cm ³)	0,91	1,4	1,14
Water intake (%)	0	0,5	3
Sun resistance	well	very good	average
Elongation (%)	20 - 25	10 - 16	20 - 25
Abrasion resistance	sufficient	very well	very good
Creep	at high loads	nearly not measurable	low good
Melting temperature (C°)	160	250	250

ECO-XLF

This yarn type is entirely environmentally friendly and decomposes under industrial circumstances. A chemical reaction breaks up the carbon/carbon bonds, causing a reduction in molecular weight. A chemical reaction breaks the carbon-carbon bonds in material leading to a lowering of the molecular weight. The degradation process is initiated at the time the yarn is extruded so the yarn will totally degrade and disappear in a short timescale. The degradation will leave nothing more than water, Carbon Dioxide and a very small amount of Biomass. They are biodegradable under industrial circumstances.



DYNEEMA® / SPECTRA®

The raw material for Dyneema® is Polyethylene which is changed on a molecular basis and in addition is stretched in one direction. These stretched molecule chains increase the breaking load and decrease the elongation. Therefore Dyneema® has the lowest stretch at break of all synthetic fibers.

Dyneema® / Spectra® has a very low specific weight and is therefore buoyant. The only disadvantage is that it creeps.

This means the fiber will show a permanent elongation under load. Dyneema® and Spectra® are used as core material in high-tech ropes. The core will carry the load whereas the cover is just used for abrasion and light protection. Therefore the cover can easily be removed from the rope ends without reducing the breaking loads.

Dyneema® also has a good abrasion resistance and resistance against sunlight. Dyneema® / Spectra® is the most widely used high-tech fiber in yachting ropes and can be used for all value-added products: sheets, halyards and trim lines.

FSE Robline products: Ocean 3000, Admiral Dyneema®, Globe 5000/3000/1000, Dinghy Control, Tapered Dyneema®, Ocean Dyneema®

ARAMIDE

Aramid fibers have an extremely high breaking load and show almost no elongation. On the other hand they are sensitive against sunlight, against bending over sharp edges and against abrasion. Aramide only plays a minor role in yachting ropes. The fiber is produced by DuPont (Kevlar®) and Akzo (Twaron®). In the field of yachting Aramide fibers are mainly used in places where high temperature resistance is essential, for example on winches. They are very suitable for winches but should not be used on stoppers due to their low resistance against bending over sharp edges.

FSE Robline products: Ocean Dyneema®, Leech Line 3000, ...

LIQUID CRYSTAL POLYMER (LCP, VECTRAN®)

LCP's are very complicated and modified chains of Polyester. Vectran® is a brand name of Hoechst Celanese from the USA. Vectran® is very expensive and therefore only used in high-tech lines. A very low elongation is combined with extremely high breaking loads. On the other hand the UV-resistance is not very high. It also shows a very high temperature resistance and is not very sensitive against bending over sharp edges. The big advantage though of Vectran® is the absence of creep. Vectran® is an absolute high-tech fiber and mainly used for competition. The low UV-resistance makes a cover necessary that also can not be removed for weight reduction.

FSE Robline products: Admiral Vectran®, Vectran® 3000, GFL, ...

PBO (Polybenzoxazoles, Crystal Polymer)

PBO is a high-tech fibre. It is produced by Toyoba in Japan. It combines extreme breaking loads, high temperature resistance and very low elongation. However, the disadvantage is the low resistance against sunlight. Therefore PBO can only be used with a cover of Polyester. PBO-fibers are used in halyards for racing and as backstays, also for Code-Zero-application.

FSE Robline products: Admiral PBO






















DYNEEMA® / SPECTRA®	ARAMIDE	LIQUID CRISTAL POLYMER	PBO
VHMPE	Aramid	LCP	PBO
345	250	280	574
0,97	1,45	1,41	1,54
0	3	0	0,5 - 2,0
very good	limited	limited	low
3,5	3,5	3,5	2,5 - 3,5
very good	very well	good	good
at high loads	nearly not measurable	not measurable	nearly not measurable
140	450	330	non


















OVERVIEW

FSE ROBLINE ROPE RANGE

The complete list of products in the FSE Robline range in one view.















	SHEETS				CROSSOVER													
RACING - ONE OFF	OCEAN DYNEEMA®  ⌀ 8 - 24mm red-yellow blue-yellow				OCEAN 5000  ⌀ 6 - 24mm anthracite				OCEAN 3000  ⌀ 2 - 12mm red blue yellow anthracite		VECTRAN® 3000  ⌀ 3 - 12mm black							
	PERFORMANCE	SUPER YACHT SHEET  ⌀ 6 - 16mm red-anthracite black-anthracite silver-anthracite				GLOBE 1000  ⌀ 4 - 14mm white-red white-green white-navy				GLOBE 3000  ⌀ 4 - 14mm red navy green black		GLOBE 5000  ⌀ 1,7 - 20mm red-silver navy-silver green-silver orange-silver						
CRUISING		POLARIS 500  ⌀ 6 - 14mm red blue green white				ORION 300  ⌀ 4 - 14mm white-red white-green white-navy white white-yellow white-black				ORION 500  ⌀ 2 - 12mm red navy black green neonyellow-black neogreen-black purple-black pink-black		SIRIUS 300  ⌀ 4 - 14mm white-red white-navy white-green		SIRIUS 500  ⌀ 4 - 14mm navy red silver-red silver-navy				
	DINGHY	RACING SHEET PRO  ⌀ 6 - 10mm red green blue		RACING SHEET  ⌀ 4 - 10mm blue grey red		DINGHY SHEET  ⌀ 6-8mm red-anthracite black-anth.		TAPERED DYNEEMA®  ⌀ 7 - 9mm red blue green		OCEAN 7000  ⌀ 2 - 6mm anthracite				DINGHY CONTROL  ⌀ 1,7 - 6mm white-red white-blue white-green white-yellow white-orange white-purple		DINGHY STAR  ⌀ 1,7 - 6mm white-brown		DINGHY VECTRAN®  ⌀ 2 - 6mm neon orange neon green red navyblue

Dyneema® is a registered trademark of DSM; Twaron® is a registered trademark of Teijin Spectra® is a registered trademark of Honeywell; Vectran® is a registered trademark of Hoechst Celanese; Kevlar® is a registered trademark of DuPont; Zylon® is a registered trademark of Teijin
 We reserve the right to modify technical specifications and misprints.
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	HALYARDS				DOCK LINE	
RACING - ONE OFF	ADMIRAL DYNEEMA® SK90	ADMIRAL VECTRAN®	ADMIRAL PBO	RIO	RAPALLO	
	 <p>8 - 14mm</p> <ul style="list-style-type: none"> silver black 	 <p>8 - 20mm</p> <ul style="list-style-type: none"> red navy black white 	 <p>4 - 14mm</p> <ul style="list-style-type: none"> black 	 <p>8 - 32mm</p> <ul style="list-style-type: none"> black-white navy black 	 <p>6 - 40mm</p> <ul style="list-style-type: none"> white navy 	
PERFORMANCE	ADMIRAL DYNEEMA®			PALERMO	PORTOFINO	
	 <p>6 - 16mm</p> <ul style="list-style-type: none"> white-red white-navy white-green silver black 			 <p>10 - 18mm</p> <ul style="list-style-type: none"> white 	 <p>12 - 16mm</p> <ul style="list-style-type: none"> white 	
CRUISING				CORMORAN	MONTE CARLO	
				 <p>6 - 20mm</p> <ul style="list-style-type: none"> navy black white 	 <p>10 - 16mm</p> <ul style="list-style-type: none"> gold-white black-white silver 	
DINGHY	SATURN	8 PLAITED DINGHY	8 PLAITED DINGHY PRO	DINGHY LIGHT	NEWPORT	
	 <p>4 - 10mm</p> <ul style="list-style-type: none"> white 	 <p>4 - 6mm</p> <ul style="list-style-type: none"> blue-silver black-silver red-silver white-silver 	 <p>4 - 6mm</p> <ul style="list-style-type: none"> red-grey blue-grey black-grey 	 <p>4 - 8mm</p> <ul style="list-style-type: none"> black-yellow red-yellow blue-yellow 	 <p>10 - 16mm</p> <ul style="list-style-type: none"> white 	

FEATURES

PRODUCT

														
	lowest stretch and highest breaking loads	good UV-stability	abrasion resistant	low weight	floating	soft	kink free	resistance to hightemperatures	good ability on winches	good in cleats	high breaking loads	spliceable	low water absorption	high breaking loads at low weight
RACING														
Admiral Dyneema® SK90	x	x	x	x		x	x		x	x	x	x	x	x
Admiral PBO	x		x			x	x	x	x	x	x	x	x	x
Admiral Vectran®	x		x			x	x	x	x	x	x	x	x	x
Ocean Dyneema®	x		x			x	x	x	x	x	x	x	x	x
Ocean 5000	x	x	x	x	x						x	x	x	x
Ocean Cover Only			x			x		x	x	x		x	x	
SYS Cover Only		x	x			x		x	x	x		x	x	
PERFORMANCE														
Admiral Dyneema®	x	x	x	x		x			x	x	x	x	x	x
Super Yacht Sheet	x	x	x	x		x	x		x	x	x	x	x	x
Globe 5000	x	x	x	x		x	x		x	x	x	x	x	x
Globe 3000	x	x	x	x		x	x		x	x		x	x	
Globe 1000	x	x	x	x		x	x		x	x		x	x	
Ocean 3000	x	x	x	x	x	x					x	x	x	x
Vectran® 3000	x		x	x		x		x			x	x	x	x
CRUISING														
Sirius 500	x	x	x	x		x	x	x	x	x	x	x	x	x
Sirius 300	x	x	x	x		x	x	x	x	x	x	x	x	x
Orion 500		x	x	x		x	x	x	x	x	x	x	x	
Orion 300		x	x	x		x	x	x	x	x	x	x	x	
Polaris 500				x		x	x	x			x	x		
DINGHY														
Dinghy Star	x		x	x		x	x	x	x	x	x	x	x	x
Dinghy Vectran®	x	x	x	x		x	x	x	x	x	x	x	x	x
Dinghy Control	x	x	x	x		x	x	x	x	x	x	x	x	x
Racing Sheet Pro	x	x	x	x		x	x		x	x	x	x	x	x
Racing Sheet	x	x	x	x		x	x		x	x	x	x	x	x
Dinghy Sheet		x	x	x		x	x		x	x		x	x	x
8-plaited-Dinghy	x	x	x	x		x		x	x	x			x	
8-plaited-Dinghy Pro	x	x	x	x		x		x	x	x			x	
Dinghy Light				x	x	x	x		x				x	
Tapered Dyneema®	x	x		x		x	x	x	x	x	x	x		x
Saturn		x	x	x		x	x	x	x	x		x	x	
Albatros				x	x	x	x						x	
Ocean 7000	x	x	x	x	x		x				x	x	x	x
DOCKLINE														
Portofino		x	x	x		x	x	x	x	x	x	x	x	x
Rio		x	x	x		x	x	x	x	x	x	x	x	x
Monte Carlo		x	x	x		x	x		x	x	x	x	x	x
Rapallo		x	x	x		x	x	x	x	x	x	x	x	x
Cormoran				x	x	x	x			x		x	x	
Palermo		x	x	x		x	x	x	x	x	x	x	x	x
Newport 			x	x		x	x	x	x	x		x	x	



FEATURES

PRODUCT

	lowest stretch and highest breaking loads	good UV-stability	abrasion resistant	low weight	floating	soft	kink free	resistance to hightemperatures	good ability on winches	good in cleats	high breaking loads	spliceable	low water absorption	high breaking loads at low weight
SIMPLE SELLING SYSTEM														
3S Sirius 300	X	X	X	X		X	X	X	X	X	X	X	X	X
3S Sirius 500	X	X	X	X		X	X	X	X	X	X	X	X	X
3S Globe 1000	X	X	X	X		X		X	X	X	X	X	X	X
T40		X	X	X		X	X	X			X	X	X	
T50		X	X	X		X	X	X			X	X	X	
T60		X	X	X		X	X	X			X	X	X	
T70		X	X	X		X	X	X			X	X	X	
READY MADE PRODUCTS														
Rapallo		X	X	X		X	X	X	X	X	X	X	X	X
Cormoran				X	X	X	X			X		X	X	X
Rio		X	X	X		X	X	X	X	X	X	X	X	X
Twisted Fender Line		X	X	X		X	X	X			X	X		
Braided Fender Line		X	X	X		X	X	X			X	X		
Buoy Mooring Line		X	X							X		X	X	
Bonifacio Winch		X	X			X	X	X	X	X	X	X	X	X
Poseidon		X	X			X	X	X	X	X	X	X	X	X
Extension Mooring		X	X	X		X	X	X			X	X	X	X
Miami		X	X	X		X	X	X			X	X	X	X
Wire Lock	X	X	X			X		X			X		X	
Cover Only Fenderline		X	X	X		X	X	X			X	X		
UNIVERSAL														
Floating Security Line			X	X		X	X				X	X		
Polyester 16		X	X	X				X	X	X	X		X	X
Polyester 8		X	X	X		X	X	X		X	X		X	X
Polyamide 8		X	X	X		X	X	X		X	X		X	X
XLF 8				X	X	X	X			X			X	X
Polyamide 16-Start			X	X				X		X	X		X	X
SAILMAKER														
Shock Cord			X			X	X						X	
Polynite	X	X		X	X	X					X	X	X	X
Profil-Line	X	X	X	X		X		X			X		X	X
GFL	X	X	X	X		X		X		X	X	X	X	X
Leech Line 3000	X	X	X	X		X		X			X		X	X
Trimline Orion 500		X	X	X		X	X	X			X		X	
TRADITIONAL ROPES														
Spunflex		X		X	X	X			X	X	X	X	X	X
Dyneema® Classic	X	X	X	X		X	X		X	X	X	X	X	X
Classic-Tex				X	X	X					X			
Double Braided Classic	X	X	X			X	X	X	X	X	X	X	X	X



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