



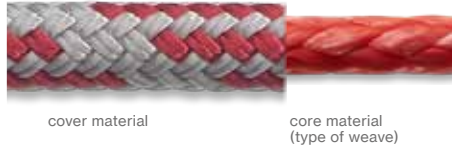
WORLD CLASS YACHTING ROPES

FSE ROBLINE
WORLD CLASS YACHTING ROPES



Information about product specifications

Product nomenclature



cover material

core material
(type of weave)

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	
6	200	2,200	25	gray-red 0713
				green-neon green-gray 3405
				black-purple- anthracite 3410
				black-gray- anthracite 3415
				blue-gray- anthracite 3614



Ø = diameter (mm)

The nominal diameter is always the maximum diameter

length = rope length (m)

The rope's length is measured taking EN ISO 2307 into account.
rope length: per spool or coil

MBL = minimum breaking loads

The value in daN (1 daN is about 1 kg) indicates the load at which the rope would break. The specified breaking loads are values determined in testing in our laboratory. In practical use, these values may deviate depending on the type of use. The breaking loads were determined for free lengths of rope and will be decreased by splices or knots. When defining a rope's dimensions, we recommend to apply a ratio of working load to breaking load of at least 1:5!

weight = weight per meter (g/m)

The specified values in grams relate to one meter of rope. The length of the rope can change during use. As a result, there may also be deviations from the specified weight.

Colors and order numbers

Example: the color "blue-gray-anthracite" with Ø 6 has the Item no. 3614

Identification Field of Use

Fall Halyard Fald
HALYARD
This line is ideally suited for use as a halyard.

Cross Over
CROSSOVER
This line is suited for use as both a halyard and a sheet.

Festmacher Dock Line Fortøjning
MOORING LINE
This line is suited for mooring all kinds of boats.

Schot Sheet Ecoute
SHEET
Due to its low abrasion and minimal kink, this line is ideally suited for use as a sheet.

Trimm Trim Trim
TRIM
This line can be used as a control line, stretcher, or allround rope.

Ankerleine Anchoring Ankring
ANCHOR LINE
This non-buoyant line is used for anchoring.

Halyards and sheets*

Your boat m	Ø mm halyards			Ø mm sheets		
	Spi	Genoa	Main	Spi	Genoa	Main
6-8	8	8	8	10	10	10
9	8	10	10	10	12	10
10	10	10	10	10	14	12
11	10	12	10	12	14	12
12	12	12	12	12	14	12
14	12	12	12	14	14	12
16	12	14	12	14	14	14
18	14	14	14	14	14	14
24	16	16	16	16	16	16

Mooring and anchor lines*

Your boat m	weight t	Ø mooring line mm	Ø anchor line mm
6-8	2	8-10	12
9	4	12	14
10	5	12	16
11	7	14	16
12	8	14	18
14	11	16	20
16	12	18	20
18	20	24	24
24	22	26	26

*When using lines made of Dyneema®, the diameter can be reduced by 2mm! The specified values are experience-based values of FSE Robline®. They are average values which, however, can vary from one yacht type to another.

⚠ 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 XG for example) a splice is the only option that should be used, as knots can come undone under a load. It is expressly forbidden to use them for personal protection.

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DEAR FRIENDS OF FSE ROBLINE,

we look back on an eventful season in which our products have yet again accompanied many sailboat and motor yacht owners in their favorite leisure activity. And, our products have yet again been part of countless minor and major regatta racing successes at both national and international level. Customers from innovative catamaran classes such as the M32, but also from entirely new monohull one design classes such as the ClubSwan50, have relied on FSE Robline high tech cordage.

However, many of our customers also appreciate our upgraded Cruising ropes, because the cutting-edge and well-taut sails also need cutting-edge stretch-resistant lines in order to fully unleash their fantastic potential. Our new Performance and Cruising products bridge the gap between racing and cruising cordage and, building on innovative ideas and rope designs, contribute significantly toward giving you the best sailing experience possible.

Also, it takes high quality ropes if you want to moor boats and yachts properly, in accordance with good seamanship. Made of highly resilient polyamide, our brand-new mooring ropes (Palma) are suited for secure mooring without subjecting your boat's hardware to excessive loads. However, you will be equally impressed by our 8-plait mooring ropes (Newport 8) that are easy to splice and take up little stowage space.

Our goal for the upcoming year is to not only continue to upgrade and refine our products and optimize them for use on various ship and boat types, but also to keep improving our customer service. Having opened our new Custom-Cutting and Splicing Center close to our corporate headquarters in Wels, Austria, we are now able to custom-cut all our products to the required lengths and deliver them to our EU-based customers all inside one week. For more details and the requirements for making use of our efficient custom-cutting and splicing service, please get in touch with your contact for FSE Robline cordage.

We can't wait to share another exciting year on the water with you,

your FSE Robline Team

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PERFORMANCE

Admiral PRO



Polyester/Technora® 24

STS/Dyneema

Ø	Length	MBL	Weight	Color/Item no.		
mm	m	daN	g/m	pink-black	green-black	orange-black
8	*	5,000	45	0908	0907	0906
10	*	8,200	72	0911	0910	0909
12	*	14,000	101	0905	0904	0903

* on request



The Ocean 5000 core made with STS technology and a special coating combined with the well proven Polyester – Technora cover provides a top of the range product without compromise.

Very low stretch, almost no creep and high abrasion-resistance create the standard for the Grand Prix sailors.

Admiral 10000



Polyester/Technora® 24

Dyneema® SK78

Ø	Length	MBL	Weight	Color/Item no.		
mm	m	daN	g/m	gray-blue	gray-neon green	gray-neon orange
8	*	3,930	65	0285	0286	0287
10	*	5,830	80	0288	0289	0290
12	*	9,650	98	0248	0283	0284

* on request



Grand-prix-tested racing lines with Polyester/Technora® cover for best abrasion resistance, easy to splice.

Admiral 7000



Polyester 32

Dyneema® SK78

Ø	Length	MBL	Weight	Color/Item no.						
mm	m	daN	g/m	white-red	white-navy	black-neon yellow	black-white	black	silver	orange-silver
6	200	2,300	25	3518	3521	0693	0688	3517	3520	1556
8	200	3,900	42	3523	3524	0694	0689	3522	3526	1555
10	200	5,850	65	3528	3529	0695	0690	3527	3531	1558
12	150	8,100	89	3532	3533	0696	0691	3536	3535	1551
14	100	10,500	120	3537	3538	0697	0692	3541	3540	1552



Ideally suited for use as a halyard and for applications involving extremely high loads, Dyneema® SK78 core with tight 32-plait cover for optimized stability and elongation values.

Admiral 5000



Polyester 24

Dyneema® SK78

Ø	Length	MBL	Weight	Color/Item no.				
mm	m	daN	g/m	gray-red	green-neon green-gray	black-purple-anthracite	blue-gray-anthracite	navy-pink
6	200	2,200	25	0713	3405	3410	3614	1572
8	200	3,800	43	0714	3406	3411	3615	1565
10	200	5,800	62	0715	3407	3412	3616	1574
12	150	8,000	90	0716	3408	3413	3617	1562
14	*	10,500	124	0717	3409	3414	3618	1563

* on request



Featuring a 24-plait cover in combination with a strong Dyneema® SK78 core, this rope is easy to splice and taper, while offering optimal breaking load values at the same time.

Admiral 3000

Schot Sheet Ecoute



Polyester/Polyamide 32

Dyneema® SK78/XLF

Ø	Length	MBL	Weight	Color/Item no.		
				red-anthracite	black-anthracite	silver-anthracite
6	200	1,600	23	3420	3426	3432
8	200	2,800	42	3421	3427	3433
10	200	4,200	60	3422	3428	3434
12	150	5,700	90	3423	3429	3435
14	100	7,400	120	3424	3430	3436
16	100	9,200	160	3425	3431	3437



Its modern cover construction makes this line ideal for use as a sheet on yachts of all sizes.

Globe 5000 MK3

Cross Over



Polyester 24

Dyneema®

Ø	Length	MBL	Weight	Color/Item no.				
				red-silver	navy-silver	green-silver	orange-silver	white
6	200	1200	23	1834	1832	1831	1833	1830
8	200	1800	43	1839	1837	1836	1838	1835
10	200	3500	63	1924	1917	1915	1921	1914
12	150	4900	89	1943	1939	1937	1942	1926
14	200	6700	119	1966	1946	1945	1947	1944
16	200	9000	149	1829	1827	1826	1828	1818



An upgraded version of our successful line of Globe yachting ropes. Its 24 plait cover and its specially coated Dyneema® core allow users

to strip the cover off this rope and, just like grand prix cordage, adapt it specifically to the existing conditions on board.



SINGLE BRAIDS

Ocean 7000



Dyneema® SK99 12

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	anthracite
2	200	600	2.7	2853
3	200	1,200	5.5	2854
4	200	2,000	9.6	2855
5	200	2,900	13.9	2856
6	200	4,000	21.4	2857

This line is made of Dyneema® SK99 high performance fibers and ideally suited for all applications involving high breaking loads and, at the same time, for all uses that require a product that is easy to splice. Its

typical field of use is where an enhancement of the properties of Ocean 3000 XG is needed.

STS Ocean 5000



Dyneema® SK78 12

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	anthracite
3	*	2,310	9	3727
5	*	4,400	19	3728
7	*	7,700	36	3729
8	*	9,900	49	2800
10	*	12,300	64	2801
12	*	18,700	100	2802
14	*	22,000	116	2803

*Length on request

FSE Robline® employs STS - Stronger than Steel® cores for high performance applications, e.g., for cores of backstays and halyards used on race yachts such as TP52 and Mini Maxi. Developed by the experts at FSE Robline®, the special heat stretch process, which includes a defined cooldown phase during which the

rope's structure is defined, makes it possible to achieve an enormous increase in breaking strength coupled with minimal elongation. STS Ocean 5000 should be used wherever extreme demands need to be met.

Ocean STAT20 XG



Dyneema® DM20 12

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	anthracite
2	100	400	2	1576
3	100	800	5	0477
4	100	1,600	8	0478
5	100	2,300	11	0479
6	100	3,200	17	0480

This Dyneema® high tech fiber is the first HMPE with "zero creep". This makes this fiber and products made of it so ideal for all applications

where a defined length is to be maintained under constant loading. The coating was optimized especially with maximum UV protection in mind.

Ocean 3000 XG

Trim
Trim
TrimCross
Over

Dyneema® SK78 12

Ø	Length	MBL	Weight	Color/Item no.				
				mm	m	daN	g/m	red
2	200	400	2			3303	3304	3306
2,5	200	500	4			3307	3308	3310
3	200	800	5			3311	3312	3314
4	200	1,600	8			3315	3316	3318
5	200	2,300	11			3319	3320	3322
6	200	3,200	17			3323	3324	3326
8	200	4,500	28			3327	3328	3330
10*	150	7,100	42			3331	3332	3334
12*	100	9,500	54			3335	3336	3338

*on request



Dyneema® SK78 is a high performance fiber which many sailing applications build on. The upgraded coating ensures good UV stability and enhances abrasion resistance.



CRUISING

Sirius 1000

Cross Over



Ø	Length	MBL	Weight	Color/Item no.				
				red	navy	green	blue-silver	orange-silver
6	200	1,340	27	0882	0881	0880	0950	0951
8	200	1,500	35	0528	0527	0526	0952	0953
10	200	2,400	67	0532	0531	0530		
12	150	3,100	73	0524	0523	0522		



This latest development of FSE Robline® closes the performance gap between the High Tech Performance and the previous Cruising products. Sirius 1000 combines several advantages of the Performance range products with a price/performance ratio known only from poly-

ester products. Furthermore, it achieves optimal elongation values at the typical working loads that ropes are exposed to on Performance Cruising yachts.

Sirius 550

Cross Over



Ø	Length	MBL	Weight	Color/Item no.		
				neonorange silver	blue-silver	neongreen silver
4	200	550	12	1995	1996	1997
5	200	850	20	1998	1999	2006
6	200	1150	27	2577	2578	2579
8	200	1800	49	2586	2587	2588
10	200	2800	71	2589	2628	2717
12	150	3800	103	2718	2719	2725
14	100	5000	140	1969	1993	1994



Its polyester double braid wows users with an exceptionally wear resistant cover shining in new, fresh colors.

Sirius 500

Cross Over



Ø	Length	MBL	Weight	Color/Item no.					
				silver-red	silver-blue	silver-green	silver-black	grey-blue red	grey-blue orange
4	200	550	12	3438	3445	3452	3459	1589	1590
5	200	850	20	3439	3446	3453	3460	1591	1592
6	200	1,150	27	3440	3447	3454	3461	1593	1596
8	200	1,800	49	3441	3448	3455	3462	1597	1598
10	200	2,800	71	3442	3449	3456	3463	1600	1601
12	150	3,800	103	3443	3450	3457	3464	1602	1603
14	100	5,000	140	3444	3451	3458	3465	1587	1588



The classic from FSE Robline® featuring the optimal characteristics of a double braided polyester rope – low elongation coupled with high stability.

Sirius 300

Cross Over



Ø	Length	MBL	Weight	Color/Item no.			
				white-red	white-navy	white-green	white
4	200	550	12	0579	0582	0581	1582
5	200	850	20	0589	0591	0590	1585
6	200	1,150	27	0597	0599	0598	1577
8	200	1,800	49	0617	0619	0618	1578
10	200	2,800	71	0633	0636	0634	1579
12	150	3,800	103	0655	0658	0656	1580
14	100	5,000	140	0580	0583	0584	1581



The versatile allround sheet, ideal for use as a halyard, sheet, or trim line, excellent value for money.

Coppa 500

Schot
Sheet
Ecoute



Polyester soft/Polyester 16 Polyester

Ø	Length	MBL	Weight	Color/Item no.					
				mm	m	daN	g/m	black-red	black-navy
8	200	1,100	35				0190	0191	0192
10	200	1,900	65				0193	0194	0195
12	150	2,700	102				0196	0198	0199
14	100	3,600	118				0205	0207	0208



The very soft cover and a strong polyester core make up an ideal sheet for manual maneuvering tasks on yachts featuring sheet systems with

or without smooth-surfaced winches.

Orion 500

Trimm
Trim
Trim

Cross
Over



Polyester 16 Polyester

Ø	Length	MBL	Weight	Color/Item no.														
				mm	m	daN	g/m	red	navy	black	green	neon yellow-black	neon green-black	purple-black	pink-black			
2	250	70	3															
3	200	150	6															
4	125	400	12															
5	100	600	19															
6	100	800	24															
8	200	1,400	41															
10	200	2,000	70															
12	150	2,500	89															



A line in modern, fresh colors and many diameters, easy to splice, and suited for various uses aboard any yacht.

Orion 300

Trimm
Trim
Trim

Cross
Over



Polyester 16 Polyester

Ø	Length	MBL	Weight	Color/Item no.													
				mm	m	daN	g/m	white-red	white-blue	white-green	white	white-yellow	white-black				
4	200	400	12														
5	200	600	19														
6	200	800	24														
8	200	1,400	42														
10	200	2,000	70														
12	150	2,500	89														
14	100	3,800	120														



A versatile allround rope in a traditional design; high UV resistance, longevity, and great ease of handling make this product a benchmark for many Cruising applications.

Neptun 500

Schot
Sheet
Ecoute



Polyester 16 Polyester

Ø	Length	MBL	Weight	Color/Item no.													
				mm	m	daN	g/m	white	red	navy-blue	white-red	white-neon green	white-black	black			
6	200	700	24														
8	200	1,200	40														
10	200	1,800	62														
12	150	2,500	86														
14	100	3,400	116														



Its classic design and pleasant-to-touch highly UV resistant cover are the main characterizing features of this allround rope for cruising yachts.

DINGHY & SPORTSBOATS

Dinghy Star Pro



PBO/Dyneema® SK78
Technora®/XLF
16/24/32

Dyneema® SK99

Ø	Length	MBL	Weight	Color/Item no.							
				mm	m	daN	g/m				
3	100	400	6			white-brown					
4	100	800	11							1604	
5	100	1,300	16							2667	2668

The standard product for fast skiff and dinghy classes; ideal for applications requiring highest abrasion resistance and minimal elongation. PBO and Dyneema® SK99 and SK78 make up this perfect combination.

Dinghy Star



Dyneema® SK78/
Technora®/XLF
16/24/32/32

Dyneema® SK78

Ø	Length	MBL	Weight	Color/Item no.					
				mm	m	daN	g/m	blue	yellow
4	100	600	9.5				3490	3493	3496
5	100	1,100	15.0				3491	3494	3497
6	100	1,650	22.0				3492	3495	3498
8	100	3,300	39.0				3500	3501	3499



High abrasion resistance combined with a strong Dyneema® SK78 core make for an ideal allround rope that comes in various colors. From stretchers to sheets – Dinghy Star meets your every need.

Dinghy Polytech



Polyester/Technora® 16

Dyneema® SK78

Ø	Length	MBL	Weight	Color/Item no.					
				mm	m	daN	g/m	blue-black	neon orange-black
3.5	100	500	9.2				0214	0215	0211
5.0	100	1,200	13.0				0220	0222	0216



Made of polyester and Technora®, the Polytech cover sets a standard in bigboat racing. The abrasion resistant 16-plait cover and a color-

coded Dyneema® SK78 core make up an easy-to-splice rope for use on skiffs and dinghies.

Dinghy Control



Polyester 16/24

Dyneema® SK78

Ø	Length	MBL	Weight	Color/Item no.													
				mm	m	daN	g/m	white-red	white-navy	white-green	white-yellow	white-orange	white-purple				
1.7	100	150	2									2124	2129	2134	2139	9445	9446
3.0	100	450	7									2125	2130	2135	2140	8117	8120
4.0	100	700	11									2126	2131	2136	2141	8121	8122
5.0	100	1,200	16									2127	2132	2137	2142	8123	8124
6.0	100	1,650	23									2128	2133	2138	2143	8125	8126

Ø 1,7 - 4 mm



Ø 5 - 6 mm



An allround high-tech control line that comes in various colors and diameters. The colored Dyneema® SK78 core also makes it easily recognizable in complex boat handling systems.

O-Kink



Dyneema® SK78 16/32/32

Ø	Length	MBL	Weight	Color/Item no.	
				white	black
3	120	817	5,8	8384	8386
5	120	1.815	17,1	8385	8387
7	120	3.290	27	0135	0136

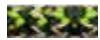
A specially designed Dyneema double braid that, because of its characteristics, is not susceptible to kinking and thus is ideally suited for fast-moving sheets such as gennaker sheets and the like.

Coppa 5000

Polyester/Polyester soft/
Technora® 24

Dyneema® SK78

Ø	Length	MBL	Weight	Color/Item no.			
				blue-white-black	red-white-black	black-white-black	lime-white-black
4	100	950	10	2729	2727	2728	2730
5,5	100	1.400	21	0888	0889	0887	1638
7	100	2.400	30	0891	0892	0890	1640
8	100	3.200	41	1634	1637	1632	1636
9	100	4.900	53	0885	0886	0884	1639



24 carrier cover for easy splicing & stripping! Ideal for applications where minimum stretch and optimum grip combined with minimum abrasion are required.

Super Dinghy Sheet

Dyneema® SK78
Technora®/XLF
24/32/32

XLF

Ø	Length	MBL	Weight	Color/Item no.	
				white-orange	white-black
5.5	100	425	19	0466	0465
7.0	100	600	32	0468	0467
8.5	100	750	40	0464	0463



The sheet for sailors looking for a durable cover with minimal water absorption and low kinking tendency. Ideal for single-handed dinghies and all applications where a low weight matters.

Racing Pro

Cross Over



Teufelberger® Fasermix

Ø	Length	MBL	Weight	Color/Item no.				
				red-black-white	blue-black-white	lime-black-white	neonorange-black-white	black-white
5	100	700	12	1612	1613	1614	1615	2771
7	100	1.400	24	1622	1623	1624	1630	2774
9	100	2.400	38	1608	1609	1610	1611	2773
11	100	3.200	52	1616	1617	1620	1621	2772



A special sheet for the latest control settings such as Magic Wheels for foil readjustments and other applications that call for grip and control. A high tech fiber mix for minimal stretch and abrasion. Developed together

with the cat sailors of the Flying Phantoms and the medal winners at the Rio 2016 Olympics.

Dinghy Sheet

Schot Sheet Ecoute



Polyester/Polyamide 16

Polyester

Ø	Length	MBL	Weight	Color/Item no.	
				red-gray	black-gray
6	200	425	19	2970	2971
7	200	600	32	9032	2972
8	200	750	40	2973	2974



The kink-free sheet of Olympic champions. Dinghy Sheet combines all the characteristics one could possibly want in a sheet. It does not kink,

provides excellent grip, and has a compact and round shape. What is more, its polyester/polyamide cover ensures enhanced abrasion resistance.

Dinghy Light

Schot Sheet Ecoute

Cross Over



XLF 32

XLF

Ø	Length	MBL	Weight	Color/Item no.		
				black-yellow	red-yellow	blue-yellow
4	100	250	8.0	9694	9688	9691
6	100	500	16.4	9695	9689	9692
8	100	850	29.0	9696	9690	9693



The lightweight among dinghy sheets. Dinghy Light is a rope made up of an 8-plait XLF core and a 32-plait cover. It is used wherever minimal

water absorption is crucial. This makes it particularly suitable for use as a lightweight spinnaker sheet.

8-Plaited Dinghy

Trimm Trim Trim



Polyester 8

Polyester

Ø	Length	MBL	Weight	Color/Item no.			
				red-silver	black-silver	blue-silver	white-silver
4	100	390	13	9661	9664	9662	9663
5	100	560	21	9666	9669	9667	9668
6	100	820	30	9671	9674	9672	9673



A strong allround rope made of prestretched polyester, dimensionally stable, compact, and minimally water absorbing.

Albatros

 Cross
Over


XLF 16

Ø	Length	MBL	Weight	Color/Item no.	
				red-blue	yellow-red
6	200	350	14	3014	3077
8	200	650	24	3080	3081
10	200	900	38	3110	3109



The ideal bowline or towline aboard dinghies or coachboats – buoyant, lightweight, and compact.

Dinghy Towing Line

 Cross
Over


XLF 16

Ø	Length	MBL	Weight	Color/Item no.		
				grey-orange	yellow-rot	black-orange
5	100	280	13	0919	0918	0917
6	100	300	15	0844	0845	0860
8	100	600	36	0842	0897	0861
10	100	870	47	0859	0858	0857



This new development covers the most important points of a dinghy towing line: it floats, it's easy to untie even after being loaded and zero

water absorption keeps your boat light.



© Max Ranchi

TAPERED LINES

The „Tapered Lines“ range of the FSE Robline® brand is characterized by a wealth of outstanding properties. These include ultimate abrasion strength, minimal elongation, great handling comfort, and an attractive appearance. This is made possible by the use of premium quality raw materials from select suppliers.

Overview

Field of use	Item no.	Material	Length			Diameter			Color
Opti Main Sheet 7 m	7818	PES	1.5	2.5	3.0	6.5	9.0	6.5	navy-silver
Opti Main Sheet 7 m	7408	XLF	1.5	2.5	3.0	6.5	9.0	6.5	red-silver
Spi Sheet 11 m (420)	7583	PES/Dyneema® SK78	3.1	4.8	3.1	4.0	6.0	4.0	green-silver
Spi Sheet 18 m (470)	7584	PES/Dyneema® SK78	4.5	9.0	4.5	4.0	6.0	4.0	red-silver
Spi Sheet 8 m	3682	PES/Dyneema® SK78	1.0	2.0	5.0	5.0	8.0	5.0	red-silver
Cat Sheet 16 m	7457	PES	10.0	6.0	-	9.5	6.5	-	navy-silver
Spi Sheet 18 m (H-Boat)	7466	PES/Dyneema® SK78	7.5	10.5	-	5.0	8.0	-	green-silver
Spi Sheet 18 m (H-Boat)	7474	PES/Dyneema® SK78	7.5	10.5	-	5.0	8.0	-	red-silver
Spi Sheet 20 m (Dragon)	7472	PES/Dyneema® SK78	7.0	13.0	-	5.2	8.3	-	green-silver
Spi Sheet 20 m (Dragon)	7471	PES/Dyneema® SK78	7.0	13.0	-	5.2	8.3	-	red-silver
Spi-Sheet endless	7483	PES/Dyneema® SK78	10.0	13.0	10.0	6.0	9.0	6.0	navy-silver
Spi Sheet endlos high tech	2776	PES/Technora®	4.0	20.0	4.0	5.0	9.0	5.0	red-black
Generic Tapered Sheet 20 m	8135	PES/Dyneema® SK78	10.0	10.0	-	4.0	6.0	-	green-silver
Generic Tapered Sheet 20 m	8139	PES/Dyneema® SK78	10.0	10.0	-	4.0	6.0	-	red-silver
Generic Tapered Sheet 24 m	8136	PES/Dyneema® SK78	12.0	12.0	-	6.0	9.0	-	green-silver
Generic Tapered Sheet 24 m	8140	PES/Dyneema® SK78	12.0	12.0	-	6.0	9.0	-	red-silver
Generic Tapered Sheet 30 m	7541	PES/Dyneema® SK78	15.0	15.0	-	10.0	7.0	-	green-silver
Generic Tapered Sheet 30 m	7542	PES/Dyneema® SK78	15.0	15.0	-	10.0	7.0	-	red-silver
Generic Tapered Sheet 36 m	8138	PES/Dyneema® SK78	18.0	18.0	-	8.0	12.0	-	green-silver
Generic Tapered Sheet 36 m	8158	PES/Dyneema® SK78	18.0	18.0	-	8.0	12.0	-	red-silver
Spi Sheet 18 m (470)	0484	PES/Technora®/Dyneema®	4.5	9.0	4.5	4.0	6.0	4.0	red-black
Spi Sheet 11 m (420)	0483	PES/Technora®/Dyneema®	3.0	5.0	3.0	4.0	6.0	4.0	red-black



MOORING LINES & ANCHOR LINES

Palma Elastic

Ankerleine
Anchoring
Ankring

Festmacher
Dock Line
Fortøjning



Polyamid 16/24

Ø	Lenght	MBL	Weight	Color/Item no.
mm	m	daN	g/m	
10	200	2,190	60	navy-red 7181231
12	150	3,900	104	7181232
14	150	4,620	115	7181233
16	150	6,290	149	7181624
18	100	10,110	211	7181234
20	100	11,500	240	7181625

Its special, highly elastic POLYAMIDE(nylon) double braid permits secure mooring even at rougher docking sites. The high elasticity of our newly

developed PALMA protects the yacht's mooring cleats by avoiding high shock loads to a large extent.

Rio

Ankerleine
Anchoring
Ankring

Festmacher
Dock Line
Fortøjning



Polyester 24

Polyester

Ø	Lenght	MBL	Weight	Color/Item no.
mm	m	daN	g/m	white-black navy black grey
8	200	1,400	42	7181653 7181651 7181652 1652
10	200	2,000	69	7181635 7181633 7181634 1654
12	150	2,800	97	7181638 7181636 7181637 1669
14	100	3,900	127	7181641 7181639 7181640 1684
16	150	4,500	163	7181644 7181642 7181643 1685
18	100	5,500	196	7181647 7181645 7181646 1686
20	100	6,600	260	7181650 7181648 7181649 1698
24*	200	10,000	384	7946 9041 9053 1699
28*	120	13,500	455	7948 9043 9055 1706
32*	165	15,600	610	7949 9044 9056 1648

*Trosse



Kink-free mooring rope for lovers of stylish design. Rio comes in a variety of diameters and colors and excels due to its immense resistance to

abrasion and its exceptional grip. Rio also impresses its users with its high breaking strength, UV resistance, and ease of splicing.

Newport 8

Festmacher
Dock Line
Fortøjning



Polyester

Ø	Lenght	MBL	Weight	Color/Item no.
mm	m	daN	g/m	white
12	150	3,100	112	7181550
14	100	3,750	142	7181551
16	150	4,700	159	7181552

A mooring line that offers great ease of splicing paired with optimum abrasion values and that, when stowed, occupies only 50% of the volume of conventional braided or laid ropes.

Rapallo

Ankerleine
Anchoring
Ankring

Festmacher
Dock Line
Fortøjning



Polyester 3

Ø	Length	MBL	Weight	Color/Item no.		
				white	blue	anthracite
mm	m	daN	g/m			
6	200	750	24	1052	7364	3702
8	200	1,200	43	1655	7365	3703
10	200	1,950	68	1054	7366	3704
12	150	2,700	94	1860	7367	3705
14	100	3,900	133	8470	8469	3706
16	70	4,600	163	8472	8471	3707
18	70	5,700	212	8582	8458	-
20	100	7,000	244	1673	7371	-
24*	100	10,200	351	1675	7540	-
28*	250	13,500	490	7940	7934	-
32*	125	15,300	620	7942	7936	-
36**	200	-	-	7943	7937	-
40**	150	-	-	7944	7938	-

*coil / **on request



The classic among mooring ropes featuring high abrasion resistance. Made of Polyester, the laid 3-strand Rapallo boasts excellent stretch characteristics, high abrasion resistance,

and highest UV resistance. Unsurprisingly, it has become one of the all-time classics among mooring and anchor ropes over the years.

Cormoran

Festmacher
Dock Line
Fortøjning



XLF 3

Ø	Length	MBL	Weight	Color/Item no.		
				navy	black	white
mm	m	daN	g/m			
6	200	500	17	9065	9073	3169
8	200	900	29	9066	9074	3028
10	200	1,300	43	9067	9075	3049
12	150	1,800	59	9068	9076	3270
14	100	2,300	80	9069	9077	3273
16	70	3,000	106	9070	9078	1905
18	70	3,500	136	9071	9079	8581
20	100	4,000	148	9072	9080	3190



Highly elastic, floatable, twisted mooring rope. Offering excellent value for money, Cormoran is perfect especially for those looking for an

inexpensive mooring rope. Made of XLF, this twisted 3-strand mooring rope is dirt repellent, extremely lightweight and floatable.

READY-MADE PRODUCTS

Ready-made products make your life easier. Ready for use and self-explanatory, they do not require any additional, time-consuming customization. Pioneers in this segment, FSE Robline® Ready-made products excel, just like the rest of our vast product portfolio, through their high quality and impeccable workmanship.

Productbenefits:

- ✓ ready for use
- ✓ self-explanatory
- ✓ require no additional time-consuming customization
- ✓ no short lengths

Rapallo/Eye 250mm



Ø	Length	Color/Item no.		
		white	navy	anthracite
mm	m			
10	4	9718	9722	-
10	6	8351	7690	3689
10	10	8350	2778	3690
12	4	9719	9723	-
12	6	8353	7607	3691
12	10	8352	7608	3692

Rapallo/Eye 350mm



Ø	Length	Color/Item no.		
		white	navy	anthracite
mm	m			
14	4	9720	9724	-
14	6	8355	7463	3693
14	10	8354	7609	3694
16	4	9721	9725	-
16	6	8357	7465	3695
16	10	8356	7464	3696

Rapallo/Thimble: plastic material



Ø	Length	Color/Item no.	
		white	navy
mm	m		
8	40.0	5171	-
10	2.5	8343	8702
10	4.0	8344	8701
10	40.0	5172	-
12	2.5	8345	7602
12	4.0	8346	7605
12	40.0	5173	-
14	2.5	8347	7604
14	4.0	8348	7601
14	40.0	5174	-
16	4.0	8349	7606
16	40.0	5175	-

Rapallo/Thimble: stainless steel



Ø	Length	Color/Item no.
		white
mm	m	
8	20	1657
8	30	1658
10	20	1660
10	30	1661
12	30	1663
14	30	1668

Twisted fender lines



Ø	Length	Color/Item no.		
		white	navy	anthracite
mm	m			
6	1.5	9322	9324	3697
6	2.0	9323	9325	3698
8	1.5	9326	9328	3699
8	2.0	9327	9329	3700
10	2.0	9330	9331	3701

Rio/Eye 250mm



Ø	Length	Color/Item no.	
		black-white	navy-blue
mm	m		
8	5.0	7181668	-
10	6.0	7181655	7181671
10	10.0	7181654	-
12	6.0	-	7181657
12	7.0	7181660	-
12	10.0	7181658	7181656

Rio/Eye 350mm



Ø	Length	Color/Item no.	
		black-white	navy
mm	m		
14	7.0	-	7181663
14	10.0	7181664	7181662
16	8.0	-	7181666
16	10.0	7181667	-

Rio/Thimble: stainless steel



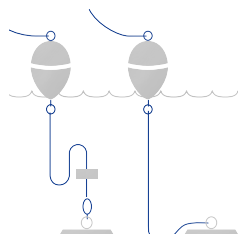
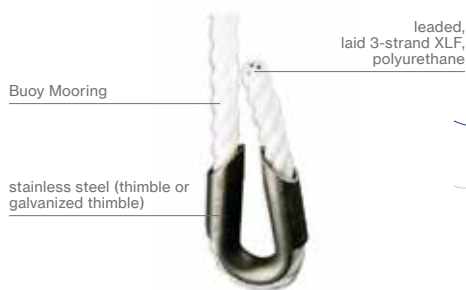
Ø	Length	Color/Item no.
		black-white
mm	m	
10	30	7181672
12	20	7181659
12	30	7181661
14	30	7181665

Braided fender lines



Ø	Length	Color/Item no.	
		white	navy
mm	m		
6	1.5	9744	9748
6	2.0	9745	9749
8	1.5	9746	9750
8	2.0	9747	9751

Buoy Mooring Line



Ø	Length	MBL	Weight	Color/Item no.	
mm	m	daN	g/m	Buoy Mooring Line	Nirosta Thimble
20*	110	3,700	350	1800	5087
24*	110	5,300	434	7709	
32*	110	9,000	594	7153	

*coil

The attachment system for mooring ropes. 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.

Bonifacio Winch



Ø	Length	MBL	Weight	Color/Item no.	
mm	m	daN	g/m	white	
12	30	1,600	240	8464	
12	50	1,600	240	8465	
14	30	2,000	350	8562	
14	50	2,000	350	8466	
16	50	2,400	378	8524	

Anchoring without a bow roller – innovation at its finest. 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. Delivered in a practical storage bucket, it is easy to stow aboard your vessel. When making Bonifacio Winch, great importance was attached to the use of premium quality materials for both cover 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.

Poseidon



Ø	Length	MBL	Weight	Color/Item no.	
mm	m	daN	g/m	white	
10	50	1,700	-	2661	
12	50	1,900	-	8526	
14	50	2,600	-	8527	
16	50	3,700	-	8528	

Black is available on request: 10mm - 30m, 12mm - 30m, 14mm - 40m

Leaded anchor rope meeting highest demands. In the case of Poseidon, lead inserts are integrated into the core over one third of its total length, which makes it easier to drag the anchor horizontally and enhances its retention power. In addition, the rope becomes easier to lift. Poseidon is delivered in a bag with a spliced-in stainless steel thimble. A high quality PES cover made out of a 16-plait weave as well as an intermediate cover also consisting of PES keep the lead insert from slipping out from the rope. A polyurethane coating affords additional protection on the insert.

Extension Mooring

Ankerleine
Anchoring
Ankring



Shock Absorber

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	black
12	6	2,430	-	7363
14	6	2,900	-	1798
16	6	4,100	-	1799

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

Miami

Festmacher
Dock Line
Fortøjning



Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	black navy
12	6	2.700	67	2917 2886
14	6	3.200	96	2918 2887
16	6	4.400	119	2919 2888



Innovative mooring rope with shock absorber. Miami combines high abrasion resistance with good stretch characteristics and a shock absorber. Made of premium quality 12-plait Polyester, the rope is provided with an integrated heavy-duty rubber shock absorber, thus ensuring optimum shock absorption characteristics. The integrated eye splice readies Miami for instant use.

Wire Lock



Ø	Length	Color/Item no.
mm	m	black red-black
9	1.0	7811 -
9	1.5	9713 9715
9	3.0	7700 9585
9	5.0	7698 9587

Security without scratching and dents. Wire Lock's backbone is a 7 x 19 stainless steel wire around which a 32-plait PES cover is braided that prevents abrasion and protects the core from UV-radiation. The eyes are protected by a rubber sleeve.

Mooring rope set



Ø	Length	Eye splice	Color/Item no.
mm	m	mm	black
10	4 pcs. 4m / 2 pcs. 10m	250	7181558
12	4 pcs. 4m / 2 pcs. 10m	250	7181559
14	4 pcs. 6m / 2 pcs. 10m	350	7181560
16	4 pcs. 6m / 2 pcs. 10m	350	7181561

Mooring ropes now available in a handy storage box. The Mooring Rope Set consists of 6 mooring ropes in two different lengths. The various mooring ropes are provided with a spliced eye having a diameter of 250mm and 350mm, respectively. The set comes in a handy storage box.

TRADITIONAL ROPES

Schot
Sheet
Ecoute

Double Braided Classic



Polyester 32

Polyester

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	traditional
10	200	2,600	71	2361
12	150	3,600	103	2362
14	100	4,800	140	2363
16	100	6,500	178	2364

A traditional rope with a long life span. Based on the long standing and proven Sirius design, Double Braided Classic excels due to its ideal grip and high abrasion resistance. The 32-plait weave of this traditional

line consists of a combination of polyester staple fibers and polyester multifilaments and ensures the product's long service life.

Classic-Tex

Schot
Sheet
Ecoute



XLF 3

Ø	Length	MBL	Color/Item no.
mm	m	daN	traditionell
3	400	120	0555
4	200	165	0554
6	200	355	5312
8	200	595	5313
10	200	900	5314
12	150	1.340	5315
14	100	1.740	5316
16	150	2.180	5317
22	100	4.100	5339
24	100	4.830	5369
30	50	5.700	5347

A new edition of this all-time classic Made of XLF, Classic-Tex looks like a traditional rope, but behaves like a state-of-the-art yachting rope. Its benefits include a long service life, low stretch, and zero water absorp-

tion. Classic-Tex can be used as a sheet, in tackles, as a multi-purpose rope, and for decorative purposes.

Spunflex

Schot
Sheet
Ecoute



XLF 3

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	traditional
6	220	550	17	7170
8	220	960	29	7171
10	220	1,430	45	7172
12	220	2,030	74	7173
14	220	2,790	94	7100
16	220	3,500	124	7046
18	220	4,500	142	7047
20*	220	5,500	184	7174
22*	220	6,700	219	7175
24*	220	7,500	254	7176
26*	220	8,900	320	7177
28*	220	10,100	347	7048
32*	220	11,000	446	7178

*coil

A symbiosis between traditional look and cutting edge tech Spunflex bridges the gap between modern yachting ropes and traditional appearance. XLF fibers make Spunflex long living, abrasion resistant,

low-stretch, and resistant to water absorption. It is suited for use as a multi-function rope and for decorative purposes.

SAILMAKERS



Dyneema® Shock Cord



Dyneema®

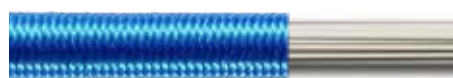
Rubber

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	
3	100	44	6	black 0848
4	100	89	13	0849
5	100	97	17	0850
6	100	105	26	0851
8	100	170	47	0852
10	100	260	85	0847

Newly developed product which, due to the excellent characteristics of Dyneema® fibers, is extremely abrasion resistant, while keeping the rubber core from being overstretched. This rubber line is an indispen-

sable product for modern skiff and catamaran classes.

Shock Cord



Polyester 16

Gummi

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	white* white-red black blue yellow red
3	250	28	6	0447 7738 9081 - - -
4	200	56	13	0448 7739 9082 - - -
5	100	60	17	0449 5159 5058 3355 - 3354
6	100	66	25	0450 5160 9083 3356 - -
7	200	88	37	0451 3340 2935 - - -
8	100	111	45	0452 5161 9084 3357 - -
10	100	166	81	- 5162 9085 - - -
3	100	-	-	- - - 3350 3349 3348
4	100	-	-	- - - 3352 3351 3353

*Teufelberger High-Tech Fasermix



Rubber line for high standards. The cover of the Rubber Line is made of highly abrasion resistant polyester, while its core consists of high quality

rubber. This combination makes the rope compact, stable, and durable.

GFL Ultra



Special construction

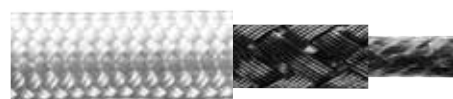
Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	
9	*	2,680	77	black 0486
11	*	3,330	130	0498
13	*	4,450	180	0487
15	*	4,800	193	0485

*on request

GFL Ultra is an entirely newly developed special product for use with rollable flying foresails. Due to its special, innovative construction, it

transmits the torsional forces of the rolling mechanism directly along the entire length of the luff.

GFL - GENAKER FURLER LINE



Polyester 32

XLF-Monofil

Vectran®

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	
8	200	4.000	58	white 2106
10	200	6.000	83	2662
11	200	8.500	100	2107
14	200	13.500	60	2108

*on request

GFL is used mainly as luff line for genaker and Code Zero sails and exhibits its qualities, especially its excellent torsional characteristics, also on large-sized yachts. Its compact 32-plait PES cover makes GFL

resistant to abrasion and UV and prevents any core/cover slippage. For the core, we rely on a 12-plait Vectran® fiber for lowest stretch, and the additional impregnation provides protection against UV and abrasion.



Rapallo Boltrope



Polyester

Ø	Länge	MBL	Weight	Color/Item no.
mm	m	daN	g/m	
6	200	750	24	white 0948
8	200	1,200	43	0949
10	200	1,950	68	0946
12	150	2,700	94	1504

3-strand polyester line developed specifically for use as a luff line and featuring high elasticity.

Profile line



Polyester 16

Polyester

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	
3.0	200	150	7	white 1402
4.0	200	220	10	1403
4.5	200	280	15	1404
5.0	200	350	18	1405
6.0	200	450	25	1406
7.0	200	650	36	1733
8.0	200	1,000	49	1734

Compact profile line for your luff. This is a highly compact and abrasion resistant profile line featuring a smooth cover which consists of 16-plait

PES of a very short lay length. The core is made of 8-plait PES.

Polynite



XLF 3

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	
5	200	400	11	white 6009
6	200	650	15	6010
7	200	950	24	6011
8	200	1,300	32	6012
10	200	1,800	49	6013

Premium quality line with low creep. Polynite is a laid 3-strand rope made of high quality XLF. As a result, Polynite exhibits low creep and

is therefore perfectly suited as a leech line.

Leech Line



Polyester 32

Dyneema® SK78

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	
1,7	250	130	2	red-silver 9110
2,5	250	300	5	navy-silver 9121
3	200	500	7	white-yellow-red 9112
4	200	700	11	9123
5	200	1.000	16	9124
6	200	1.600	23	9125
				9115
				9126
				0874
				0875
				0876
				0877
				0878
				0873



Leech line with minimal stretch. Leech Line performs at its best primarily when used with clam cleats. Its polyester cover lends to

Leech Line immense dimensional stability, and its Dyneema® core ensures its minimal stretch.

Dyneema® Cover



Dyneema®

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	
5-8	100	-	13	white C1930-04-00600
8-10	100	-	19	C1930-06-00600
11-15	100	-	25	C1930-08-00600

Dyneema® protective cover used to sheathe particularly vulnerable cordage portions.

Mini-Spools

Opti-Dinghy Lashing



Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	assorted colors ((red-silver, lime-silver)
0,9	50	60	1	0869

Available in boxes of 10 units each.

Brand new for lashing the sail to the spars. It features a 0.8mm diameter for minimum windage and weight, a grippy cover for knots, and a

Dyneema® core for lowest stretch.

Minispools Polyester Colour



Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	red blue green black assorted colors
3	20	150	4	0179 0182 0128 0185 0164

Available in boxes of 10 units each.

For use as a flag line or trim line. Low stretch, highly resistant to abrasion and UV, consists of 8-plait PES.

Minispools Orion 500



Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	red navy neonyel-low neon-green purple pink black assorted colors
2	30	70	3	1296 1297 8130 8129 8131 8132 9086 9088 *1
3	15	150	6	1306 1307 8159 8160 8161 8162 9087 9089 *1
2	30	70	3	- - - - - - 8133 *2
3	15	150	6	- - - - - - 8134 *2

Available in boxes of 10 units each.

Extremely high quality polyester all-purpose rope. This product features a 16-plait cover combined with a yarn, both made of high quality polyester.

*1 red, navy, black

*2 neon green, neon yellow, purple, pink

Minispools Classic-Text



Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	traditional
3	15	120	5	0552

Available in boxes of 10 units each.

Eyecatching: the classic look of Classic-Text. Twisted 3-strand XLF line.

Minispoils XLF



Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	
1	50	25	1	white 3281
2	40	50	2	3117
3	15	100	3	3095
4	10	200	5	7119

Available in boxes of 10 units each.

Allround rope, very grippy, for a variety of applications. 8-plait line made of XLF.

Minispoils Ocean 3000 XG



Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	
2	25	400	2	anthracite 0568
3	15	800	5	0569
4	10	1,600	8	9712

Available in boxes of 10 units each.

Dyneema® SK78

Minispoils Leech Line



Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	
1.7	10	130	2	red-silver 2670

Available in boxes of 10 units each.

Dyneema® rope on a minispool for various applications. 12-plait cover with Dyneema® SK75 core.

Mini Reels Shockcord



Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	
3	15	28	6	black-red-white-sorted 1511
4	10	56	13	1514

Erhältlich im Karton á 10 Stück

Our well-liked shock cords in shorter lengths.

Whipping twine

Whipping twine Dyneema®



Ø	Length	Color/Item no.		
mm	m	white	blue	red
1	50	4091	0228	0225

Available in boxes of 10 units each.

Innovative whipping twine made of Dyneema® SK78. Dyneema® whipping twine excels mostly due to its high breaking loads and smooth surface.

It is easy to handle and requires no additional waxing.

Max Wax Rigging Yarn



Ø	Length	Color/Item no.
mm	m	white
1	50	2777

Erhältlich im Karton á 10 Stück

Rigging yarn whose high wax content makes it easier and faster to use.

Waxed whipping twine



Ø	Length	Color/Item no.					
mm	m	red	blue	green	black	brown	assorted colors
0.8	80	9680	9678	9679	9677	9685	0109

Available in boxes of 10 units each.

Whipping twine – particularly easy to handle. FSE Robline® waxed whipping twine made of colored polyester impresses users with the high quality of the twisted PES twine.

Waxed whipping twine



Ø	Length	Color/Item no.
mm	m	white
0.5	100	9635
0.8	80	9676
1.0	46	9640
1.5	32	9681

Available in boxes of 10 units each.

Whipping twine with a high wax content. Available as twisted whipping twine in diameters of 0.5mm and 0.8mm. From a diameter of 1mm, it is

braided and will not open because of the flat, strong seam. The special wax formula makes this whipping twine particularly easy to use.

Waxed whipping twine white needle



Ø	Length	Color/Item no.		
mm	m	white	brown	navy
0,8	80	9716	9687	9843

Erhältlich im Karton á 10 Stück

Waxed polyester twine with sailmaker needle.

ALLROUND ROPES

Trimm
Trim
Trim

Schot
Sheet
Ecoute

Floating Security Line



XLF 16

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	
8	200	700	21	yellow/red 3015
10	200	900	33	3016

Easy to spot security rope made of XLF. Floating Security Line is made of a 16-plait XLF hollow weave. This makes it buoyant and easy to splice. Signal colors make it highly visible.

Polyester 16



All-purpose rope with good resistance to abrasion and stretch values. 16-plait PES cover. Twisted and, from diameters of 4mm, 8-plait core.

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	
2.0	400	100	2	white 7770
2.5	280	150	5	7769
3.0	200	220	6	1013
4.0	200	370	10	1016
5.0	200	500	17	1019
6.0	200	600	22	1022

Polyester 8



Low-stretch, grippy 8-plait all-purpose polyester rope.

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	white plastic card 20m plastic card 50m
1	600	40	1	7771 - -
2	400	90	2	7772 - -
3	200	180	4	1126 3120 3121
4	200	310	7	1110 3122 3123
5	200	450	13	1736 - -
6	200	550	19	1021 - -
8	200	950	37	1024 - -
10	200	1,500	54	1025 - -

Polyester Colour 8



Polyester trim or flag line. Very UV resistant, exhibits little stretch, and very abrasion resistant. Consists of 8-plait PES.

Ø	Length	MBL	Weight	Color/Item no.
mm	m	daN	g/m	red blue green black
3	200	150	4	0022 0023 0024 0025
4	200	280	7	0027 0028 0029 0030
5	200	450	13	0201 0203 0204 0106
6	200	550	16	- - - 0032



Polyamide 8



Ø	Length	MBL	Weight	Color/Item no.		
				mm	m	daN
1.0	600	40	1			7762
1.5	500	60	1			7761
2.0	400	80	2			7764
2.5	280	120	3			7763
3.0	250	180	5			7765
4.0	250	310	7			7766
5.0	250	510	12			7767
6.0	100	740	18			0138
8.0	200	1,210	33			0018

Durable 8-plait all-purpose polyamide rope.

XLF 8



Ø	Length	MBL	Weight	Color/Item no.				
				mm	m	daN	g/m	white
3	500	100	3.0			3001	3091	3090
4	500	200	5.4			3002	3097	3092
5	200	320	9.0			3004	-	-
6	200	450	16.0			3008	-	-
8	200	650	27.0			3009	-	-
10	200	1,100	40.0			3010	-	-

Buoyant 8-plait all-purpose XLF rope with high stretch.

Polyamide 16 Start



Ø	Length	MBL	Weight	Color/Item no.		
				mm	m	daN
3.0	200	210	5.7			7760
3.5	100	290	8.8			0034
4.0	100	310	10.3			0035
4.5	100	400	12.0			0036
5.0	100	450	13.0			0037

Specifically developed as an engine starter rope. Characterized by high abrasion resistance and minimal stretch. Featuring a 16-plait PA cover and an 8-plait PA core.

ACCESSOIRES

Safety Net & Safety Line



Item	Length	Ø	Color/Item no.
	m	mm	
Line	100	7	5090
Net	210	2	8382
Net	70	2	5091

Important! Line and net must be ordered separately!

Stainless steel splicing set with hooks



For polyester and high tech yachting ropes from 3 to 10mm.

Item no. 5097

D-Splicer Needle



Bezeichnung	Item/no.
F 10 (for up to 2 mm)	U130151
F 15 (for 2-4 mm)	U130147
F 20 (for 4-6 mm)	U130148

The preferred splicing tool of pros. Can be used for all types of braided ropes. Made of stainless steel and provided with a plastic handle.

Heat-cutting device



Item	Color/Item no.
Heat-cutting device	white 5022
Heat-cutting device with spiral cable	7080017
Cutting knife	5023

Dyneema® Scissors



Special scissors with microserration for high tech fibers.

Item no. 5379

Sail Ties



Sail Tie made of polyester

Lengths:
200 cm/78,7 inch

Item no. 7999967

Multi-Purpose bag



Practical multi-purpose sports bag of high quality workmanship.

Color: blue
Dimensions:
55 x 25 x 30cm

Item no.: 7991041

FSE Robline Sailing bag



Featuring a volume of 60 liters, the practical FSE Robline-branded Marinepool Sailing Bag provides users with plenty of space for everything what sailors might need on board. Its water-repellent material and its zip make our sailing bag a must-have for all sailing trips.

Color: weiß-navy-blue
Dimensions:
35 x 65 cm

Art.Nr.: 7991044

FSE Robline Caps



The FSE Robline Sailing Cap protects you perfectly from the sun! This cap is made of breathable material, has a non-reflective lower visor surface, and a tongue for the safety strap.

Art.Nr.: 7999990

Belt



140 cm long, cutting to length is easy with a heat-cutting device

Item no.: 7991040

Soft Shackle Ocean



Ø	Length	Color/Item no.
mm	mm	
4	80	grey 2880
6	95	2881
9	155	2882
12	205	3599
14	240	3600

FIBER TYPES

Overview

- **Monofilaments**
A few comparatively thick fibers (Ø 0.3mm) are fed in parallel to the braiding process.
- **Multifilaments**
Many very thin fibers (0.001mm) are used as a bundle during the braiding process. This is the most widely used kind of construction in yachting ropes.
- **Textured fibers**
The fibers are not arranged in parallel in the bundle but exhibit a more or less random type of arrangement. This is why the fiber bundle has a comparatively rough surface.

Base materials in detail

- **Dyneema®**
The starting material for Dyneema® is polyethylene. It is modified at a molecular level and stretched in one direction. The stretched molecule chains increase breaking strength and decrease elongation. Therefore, Dyneema® exhibits the lowest elongation at break of all synthetic fibers. Dyneema® has very low specific gravity, which makes it buoyant. The only downside of this fiber is that it creeps. This means that the fiber will show permanent elongation under load. Dyneema® is used as a core material in high tech yachting ropes. The core bears the load, while the cover merely serves as a protection against abrasion and light. Therefore, it is certainly possible to remove the cover from the rope ends without reducing the rope's breaking strength. Dyneema® also exhibits good abrasion resistance and resistance to sunlight. Dyneema® is the most widely used high tech fiber in yachting ropes and can be used for a vast variety of high quality products such as sheets, halyards, and trim lines.
- **Liquid crystal polymer (LCP)**
Liquid crystal polymers (LCP's) are extremely complex, modified polyester chains. Vectran® is a brand name of Hoechst Celanese in the U.S. Vectran® is very expensive. Therefore, it is used only in high tech cordage. This product stands for low stretch combined with ultimate breaking strength. However, its UV resistance is not very high. Furthermore, LCP's exhibit very high temperature resistance and low vulnerability to bending across sharp edges. The big advantage of Vectran®, however, is the absence of creep. Vectran® is an absolute high tech fiber mainly designed for competition. Its low UV resistance makes using a cover indispensable, which must not be removed, not even for weight reduction purposes.
- **Polybenzoxazole, Crystal Polymer (PBO)**
PBO is a high tech fiber. Produced by Toyobo in Japan, it combines extreme breaking strength, high temperature resistance, and very low elongation. Its weakness, however, is its low resistance to sunlight.
- **Aramid/Technora®**
Aramid fibers provide extremely high breaking strength combined with almost no elongation. They are sensitive to sunlight, bending across sharp edges, and abrasion. In yachting ropes, aramid only plays a minor role. This fiber is produced by DuPont (Kevlar®) and Teijin (Twaron®). In the Yachting Rope segment, aramid fibers are mainly used in places where high temperature resistance is essential, for example on winches. They are ideally suited for use on winches. However, due to their low resistance to bending over sharp edges, they should not be used on stoppers.
- **Polyester (PET)**
PET stands for good breaking strength and low elongation. It offers both chemical and physical benefits such as resistance to seawater, good abrasion resistance (in both dry and wet conditions), and good resistance to sunlight. This makes PET a go-to choice in the production of many yachting lines. It is used as a core material for halyards, sheets, mooring lines, and anchor lines. On high tech cordage, polyester is used as the cover material. The outstanding characteristics of polyester speak for themselves. Since polyester sinks, it can also be used for anchor lines. For high tech yachting ropes, it is used as a cover material (UV protection), while for simple yachting ropes it is also used in the core.
- **Polyamide (PA)**
Polyamide provides high breaking strength as well as high elongation. The abrasion resistance of PA is better in wet than in dry conditions, as the fiber tends to absorb water (up to 7%). Kept in contact with moisture for too long, the material can become stiff. Another downside of PA compared to polyester is its comparatively lower UV resistance. This is why PA is increasingly being replaced by polyester. Polyamide is still widely used for mooring ropes and allround lines.
- **Polypropylene (PP) = XLF**
Due to its limited technical properties, polypropylene is only used for simple applications. PP is extremely lightweight and even buoyant. Its abrasion strength and temperature resistance are adequate. Typically, it is used for simple mooring lines or for allround lines.

Overview of products

Rope	Starting material	Strength	Specific gravity	Water absorption	Resistance to sunlight	Elongation	Abrasion resistance	Creep	Melting point
	mm	daN/mm ²	kg/cm ³	%		%			C°
Dyneema®/ Spectra®	VHMPE	345	0.97	0	good	3.5	very good	at high loads	140
Liquid crystal polymer	LCP	280	1.41	0	poor	3.5	good	not measurable	330
PBO	PBO	574	1.54	0.5 – 2.0	low	2.5 – 3.5	very good	nearly not measurable	-
Aramid/ Technora®	Aramid	250	1.45	3.0	poor	3.5	very good	nearly not measurable	450
Polyester (PET)	PET	110	1.4	0.5	very good	10 – 16	very good	nearly not measurable	250
Polyamide (PA)	PA6/PA66	81	1.14	3.0	average	20 – 25	very good	low. good	250
Polypropylene (PP) = XLF	XLF Multi-filament	56	0.91	0	good	20 – 25	sufficient	at high loads	160

To the max!

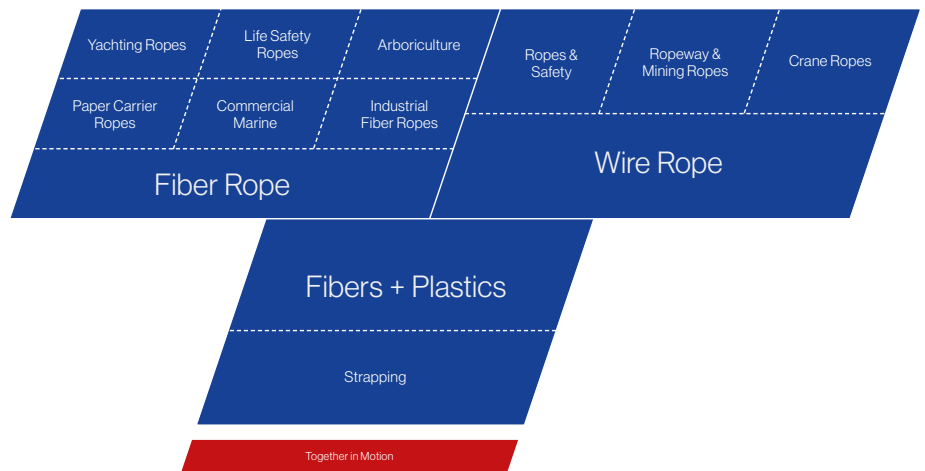
Those who promise the best, must be ready for it: with every fiber!

EXPERTISE FROM MORE THAN 225 YEARS OF EXPERIENCE

What started back in 1790 as a simple shop making hemp ropes has since evolved into a globally successful group of enterprises specializing in the development and production of fiber and steel wire ropes as well as strapping.

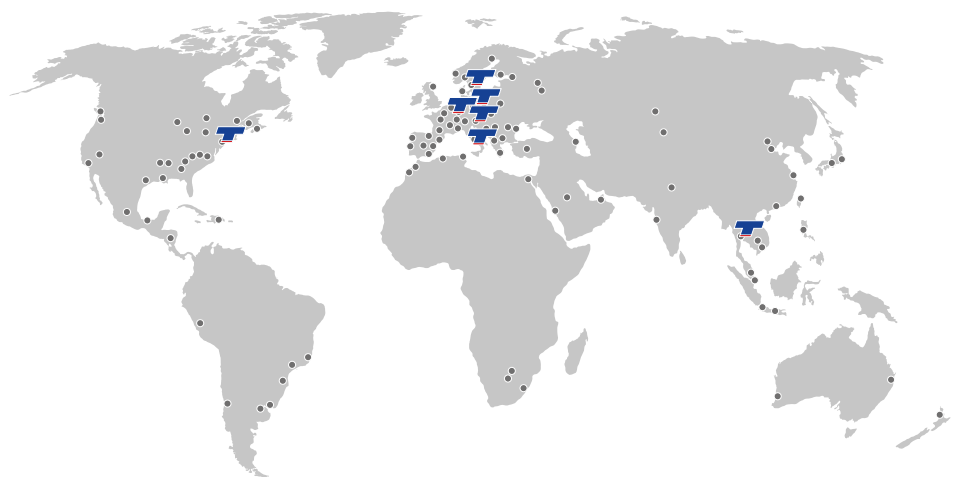
Great diversity

TEUFELBERGER's products and services are destined for a wide variety of applications ranging from cranes and marine applications to packaging and through to personal protection. The continuity and stability of a family enterprise makes us a reliable partner who, competently and effectively, supports you in mastering your day-to-day challenges.



Global presence and customer proximity

Manufacturing operations in various countries allow us to meet local quality and certification standards as well as customer requirements without difficulty. From our sites in Austria, the Czech Republic, the U.S., Italy, Sweden, and Thailand, and backed by a close-knit global network of distribution partners, we continue to satisfy the expectations of our customers.



Innovative solutions through synergies

TEUFELBERGER is a leading specialist for fiber and steel wire ropes as well as strapping. The spectrum of technologies in TEUFELBERGER's portfolio generates various synergies between the extrusion of thermoplastics, the braiding of high performance fibers, and the processing of wires into ropes and strapping.

Especially fiber and steel wire products have brought about valuable synergies with regard to both application and manufacturing technologies, which have benefited our customers tremendously. This makes TEUFELBERGER your ideal partner right from the project planning phase.

5% of TEUFELBERGER's employees are active in research and development and make sure that our customers have access to the latest innovative rope technologies. 10% of the entire investment volume is committed to development and quality assurance.

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