

PERFORMANCE LINE

A RANGE OF TECHNICAL ROPES FOR RACING BOATS AND SUPER YACHTS. THE EXTREME INNOVATION OF THE DECKRIGGING ON RACE SAILING BOATS PUTS A HEAVY STRAIN ON HALYARDS, SHEETS AND ALL RUNNING LINES; THE USE OF ROPES, SUCH AS "HIGH-TECH", THUS BECOMES A NECESSITY. THIS LINE, WHICH HAS SPECIFICATIONS OF A HIGH TECHNICAL LEVEL, (INCLUDING THOSE SUCH AS THE MATERIALS, BREAKING POINTS AND STRETCH LEVELS) IS CONTINUOUSLY ANALYSED AND UPDATED IN ORDER TO GIVE A PERFORMANCE APPROPRIATE TO THE REQUIREMENTS OF THE MOST DEMANDING CREWS.

Armare Performance Line products are made with four different fibers that can be eventually completed with different choices of protective covers. The table summarise the main features of the fibers used for the construction of braids.

FIBER	TENACITY	MODULUS	CREEP
	[cN/dTex]	[cN/dTex]	[-]
Dyneema® SK78	35,10	1.160	Very good
Dyneema® SK75	35,10	1.160	Good
Vectran®	24,2	530	Excellent

FIBER	SPECIFIC GRAVITY	FUSION TEMP
	[g /cm³]	[°C]
Dyneema® SK78	0,975	147
Dyneema® SK75	0,975	147
Vectran®	1,410	330

AVAILABLE CORES PERFORMANCE LINE

Dyneema® SK78 HPS + PU



The High Modulus fibre, Dyneema® SK78 has a better stability under constant loads, compared to Dyneema® SK75. Its principal characteristics are: low creep, elevated Breaking Load, low elongation, light weight, low level of water absorption, high resistance to U.V. rays and abrasion, great flexibility, high resistance to cutting. Lines made with Dyneema® SK78 are therefore destined to extreme performances, especially during highly demanding regattas.

Dyneema® SK75 PU



This Line of ropes is different from the previous Dyneema® SK75+HPS+PU in that it is not HPS treated, which means that there is no thermic pre-stretching under load. This makes the rope more manageable, as the core is more supple. It has a slightly different breaking load and elongation as the braid is not settled so that the differences of tension between fibers are adjusted. The general features are of a high level, making this rope affordable to boats and crews of a less extreme technical level.

Dyneema® SK75 HPS + PU



Well known to all seafarers, professionals and non, Dyneema® SK75 has the following features: elevated Breaking Load, low elongation, light weight, low level of water absorption, high resistance to U.V. rays and abrasion, great flexibility, resistance to cutting. The sum of all these characteristics is concentrated in this line of ropes making them versatile to many uses on all boats. Reliable, long lasting and high performance, thanks to high breaking loads and low elongation.

Vectran PU



The Vectran® fiber is highly connected with its primary characteristic of having a near zero creep, up to 50% of its breaking load. Vectran braids are ideal when used under static loads: eg. main sail and genoa halyards, as well as for steering line systems. Suitable for afterguys, bearing in mind that the fibre is not resistant to U.V. rays and therefore it is not particularly fit for use without a sheath, unless in particular cases, protected from the light or if replacements are programmed and under strict control.

AVAILABLE COVERS PERFORMANCE LINE

BTEC/DYN Black Technora / Dyneema®

This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.

KEV/DYN/PET Kevlar / Dyneema® / PET

It preserves similar characteristics as its sister BTEC+DYN+PET, but thanks to the high melting point of Kevlar, it is more suitable for high speed manoeuvres and load, where the ropes reach high temperatures. It possesses one of the best grip, but the UV resistance is lower than Black Technora, which is composed by special pigments that protract the life of the rope, despite of the exposure to the UV rays.

OTHER COVERS AVAILABLE: PBO/PET, KEV/DYN, KEV/PET, DYN/PET, PET

BTEC/DYN/PET Black Technora / Dyneema® / PET

It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. The extraordinary smoothness makes simple the control and the release on winch, without influence on the grip.

DYN/CRD/PET Dyneema® / Cordura / PET

Among the covers with less presence of high-tech fibers, this rope is the one with the higher durability, smoothness and grip. It has a very good behaviour on stopper and winch, with perfect blocking and fluid regulation without annoying "release".

BTEC/PET Black Technora / PET

This rope is used on monotypes, oceanic boats and on Super Yachts. It combines functional characteristics of high level, with UV and abrasion resistance, and good grip. The look is also winning, thanks to the mixture among the black of Technora and the different colours of the Polyester.

CRD/PET Cordura / PET

Lightness, high breaking load, low creep and minimum elongation with a perfect grip: these are the four main characteristics, which identify this rope. It is studied to obtain an excellent grip on stopper and winch, through the use of special anti-slip fibers. Moreover, it can be chosen whether as halyard or as sheet, thanks to its soft and grip hand.



PERFORMANCE LINE

DYNEEMA® SK78 + HPS + PU

Low creep
Elevated Breaking Load
Low Elongation

Light Weight
Low Water Absorption
High UV Resistance

Great Flexibility
High chafe resistance

Ø	DYNEFORCE 78 SINGLE BRAID		FOR ALL COVERS		BTEC/ DYN	BTEC/ DYN/PET	BTEC/ PET	KEV/ DYN/PET	DYN/ CRD/PET	CRD/ PET
	B. L.	WEIGHT	B. L.	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]
1	210	1,18	-	-	-	-	-	-	-	-
1,5	330	1,80	-	-	-	-	-	-	-	-
2	450	2,50	210	4,75	4,73	4,79	4,65	4,23	4,65	
2,5	730	3,70	330	5,76	5,73	5,81	5,64	5,13	5,64	
3	1.068	4,90	450	7,58	7,55	7,65	7,43	6,75	7,43	
3,5	1.400	8,20	730	9,29	9,26	9,38	9,11	8,28	9,11	
4	2.250	10,10	1068	12,52	12,30	12,65	12,28	11,16	12,28	
5	2.980	15,30	1400	19,19	19,00	19,38	18,81	17,10	18,81	
6	5.000	24,00	2250	26,50	26,16	26,70	26,16	23,50	25,74	
7	6.400	31,10	2980	38,80	38,22	38,90	38,22	34,40	37,62	
8	8.200	38,20	3990	50,80	50,08	51,10	50,08	45,10	49,30	
9	9.500	51,10	5000	61,30	60,37	62,00	60,37	54,30	59,40	
10	11.600	60,00	6400	72,50	71,34	72,80	71,34	64,30	70,29	
11	13.100	77,00	8200	88,80	87,51	88,10	87,51	78,00	85,00	
12	16.000	94,00	9500	103,10	101,53	103,60	101,53	91,40	100,00	
13	17.780	110,00	10100	121,00	119,00	121,30	119,00	107,00	116,90	
14	20.000	128,00	11600	138,70	136,51	139,30	136,51	122,90	134,44	
15	23.000	144,00	13100	161,25	158,76	162,00	158,76	142,90	156,32	
16	26.300	160,00	16000	183,80	181,00	184,70	181,00	162,90	178,20	
17	29.000	180,00	17780	-	-	-	-	-	-	
18	31.400	200,00	20000	216,50	213,15	217,50	213,15	191,90	209,90	
20	37.000	250,00	23000	270,60	266,46	271,90	266,46	239,80	262,35	

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of exposure, can reduce the breaking loads of the ropes.



100% SK78 HPS PU COATED

SK78 Single Braid

COVER Single braid without cover.

PRODUCT CODE NA58

CONSTRUCTION 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.

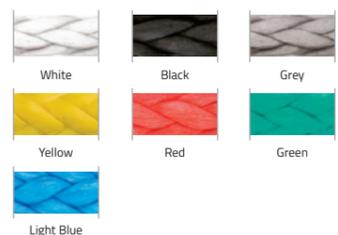
FEATURES AND USE

Low creep
Elevated breaking load
Low elongation
Light weight
Low water absorption
High UV resistance
Great flexibility
High resistance to cutting
Product available without cover or with protection cover.

STANDARD DIAMETERS From 1 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,16%
STRETCH AT B. L. 3,20%

COLOURS



100% SK78 HPS PU COATED

SK78 - BTEC / DYN

COVER Black Technora / Dyneema®.

PRODUCT CODE NA58C35

CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,16%
STRETCH AT B. L. 3,20%

COLOURS Melange Natural Black Technora / Dyneema®.



100% SK78 HPS PU COATED

SK78 - BTEC / DYN / PET

COVER Black Technora / Dyneema® / Polyester.

PRODUCT CODE NA58C85

CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. It's simply to control and to release on winch.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,16%
STRETCH AT B. L. 3,20%

COLOURS Melange Black Technora / Dyneema® / Polyester to choose from:



100% SK78 HPS PU COATED

SK78 - BTEC / PET

COVER Black Technora / Polyester.

PRODUCT CODE NA58C86

CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE This rope is used on monotypes, oceanic boats and on Super Yachts. It combines functional characteristics of high level, with UV and abrasion resistance, and good grip. The look is also winning, thanks to the mixture among the black of Technora and the different colours of the Polyester.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,16%
STRETCH AT B. L. 3,20%

COLOURS Melange Black Technora / Polyester to choose from:



100% SK78 HPS PU COATED

SK78 - KEV / DYN / PET

COVER Kevlar / Dyneema® / Polyester.

PRODUCT CODE NA58C78

CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE It preserves similar characteristics as its sister BTEC+DYN+PET, but thanks to the high point of fusion of Kevlar, it is more suitable for high speed manoeuvres and load, where the ropes reach high temperatures. It possesses one of the best grip, but the UV resistance is lower than Black Technora, which is composed by special pigments that protract the life of the rope, despite of the exposure to the UV rays.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,16%
STRETCH AT B. L. 3,20%

COLOURS Melange Kevlar / Dyneema® / Polyester to choose from:



100% SK78 HPS PU COATED

SK78 - DYN / CRD / PET

COVER Dyneema® / Cordura / Polyester.

PRODUCT CODE NA58C82

CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE Among the covers with less presence of high-tech fibers, this rope is the one with the higher durability, smoothness and grip. It has a very good behaviour on stopper and winch, with perfect blocking and fluid regulation without annoying "release".

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,16%
STRETCH AT B. L. 3,20%

COLOURS Melange Dyneema® / Cordura / Polyester to choose from:



100% SK78 HPS PU COATED

SK78 - CRD / PET

COVER Cordura / Polyester.

PRODUCT CODE NA58C24

CORE 12 plait with Dyneema® SK78 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE Lightness, high breaking load, low creep and minimum elongation with a perfect grip: these are the four main characteristics, which identify this rope. It is studied to obtain an excellent grip on stopper and winch, through the use of special anti-slip fibers. Moreover, it can be chosen whether as halyard or as sheet, thanks to its soft and grip hand.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,16%
STRETCH AT B. L. 3,20%

COLOURS Melange Cordura / Polyester to choose from:



PERFORMANCE LINE DYNEEMA® SK75 + HPS + PU

Elevated Breaking Load
Low Elongation
Light Weight

Low Water Absorption
High UV Resistance
Great Flexibility

Chafe resistance
Versatile to many uses

Ø	DYNEFORCE 75 SINGLE BRAID		FOR ALL COVERS		BTEC/ DYN	BTEC/ DYN/PET	BTEC/ PET	KEV/ DYN/PET	DYN/ CRD/PET	CRD/ PET
	B. L.	WEIGHT	B. L.	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]
1	200	1,50	-	-	-	-	-	-	-	-
1,5	300	2,50	-	-	-	-	-	-	-	-
2	430	3,70	200	4,65	4,63	4,69	4,55	4,14	4,55	
2,5	640	4,90	300	5,71	5,68	5,76	5,59	5,09	5,59	
3	890	7,40	430	7,47	7,44	7,55	7,33	6,66	7,33	
3,5	1.380	9,00	640	9,25	9,21	9,34	9,07	8,24	9,07	
4	1.860	11,10	890	12,37	12,32	12,50	12,13	11,03	12,13	
5	2.830	16,20	1.380	19,11	19,03	19,30	18,73	17,03	18,73	
6	3.900	24,00	1.860	26,40	26,07	26,60	26,07	23,40	25,64	
7	5.850	31,00	2.830	38,40	37,83	38,60	37,83	34,00	37,22	
8	7.300	39,00	3.360	49,40	48,71	49,70	48,71	43,80	47,92	
9	9.200	52,00	3.900	60,20	59,29	60,50	59,29	53,40	58,41	
10	10.500	60,00	5.850	70,10	69,09	70,50	69,09	62,20	68,01	
11	11.980	77,00	7.300	84,03	85,51	85,68	84,03	75,60	82,56	
12	14.160	93,00	9.200	100,10	98,49	100,50	98,49	88,70	97,02	
13	15.800	110,00	9.900	116,23	118,28	118,52	116,23	104,57	114,19	
14	17.800	126,00	10.500	135,60	133,57	136,30	133,57	120,20	131,48	
15	19.900	138,00	11.980	157,65	155,28	158,45	155,28	139,75	152,86	
16	22.000	150,00	14.160	179,70	176,99	180,60	176,99	159,30	174,24	
17	24.000	173,00	15.800	-	-	-	-	-	-	
18	26.000	195,00	17.800	210,30	207,17	211,40	207,17	186,40	203,94	
20	30.300	246,00	19.900	263,40	259,41	264,70	259,41	233,50	255,42	

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of exposure, can reduce the breaking loads of the ropes.



100% SK75 HPS PU COATED

SK75 Single Braid

COVER Single braid without cover.

PRODUCT CODE NA77

CONSTRUCTION 12 plait with Dyneema® SK75 impregnated with polyurethane coating and special heat treatment HPS.

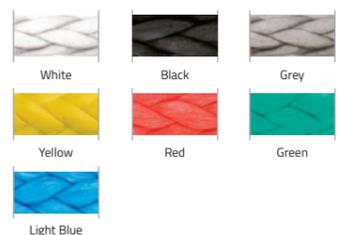
FEATURES AND USE

Elevated breaking load
Low elongation
Light weight
Low water absorption
High UV resistance
Great flexibility
Resistance to cutting
Versatile to many uses on all boats
Product available without cover or with protection cover.

STANDARD DIAMETERS From 1 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,30%
STRETCH AT B. L. 3,30%

COLOURS



100% SK75 HPS PU COATED

SK75 - BTEC / DYN

COVER Black Technora / Dyneema®.

PRODUCT CODE NA77C35

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,30%
STRETCH AT B. L. 3,30%

COLOURS Melange Natural Black Technora / Dyneema®.



100% SK75 HPS PU COATED

SK75 - BTEC / DYN / PET

COVER Black Technora / Dyneema® / Polyester.

PRODUCT CODE NA77C85

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. It's simply to control and to release on winch.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,30%
STRETCH AT B. L. 3,30%

COLOURS Melange Black Technora / Dyneema / Polyester to choose from:



100% SK75 HPS PU COATED

SK75 - BTEC / PET

COVER Black Technora / Polyester.

PRODUCT CODE NA77C86

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE This rope is used on monotypes, oceanic boats and on Super Yachts. It combines functional characteristics of high level, with UV and abrasion resistance, and good grip. The look is also winning, thanks to the mixture among the black of Technora and the different colours of the Polyester.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,30%
STRETCH AT B. L. 3,30%

COLOURS Melange Black Technora / Polyester to choose from:



100% SK75 HPS PU COATED

SK75 - KEV / DYN / PET

COVER Kevlar® / Dyneema® / Polyester.

PRODUCT CODE NA77C78

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE It preserves similar characteristics as its sister BTEC+DYN+PET, but thanks to the high point of fusion of Kevlar, it is more suitable for high speed manoeuvres and load, where the ropes reach high temperatures. It possesses one of the best grip, but the UV resistance is lower than Black Technora, which is composed by special pigments that protract the life of the rope, despite of the exposure to the UV rays.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,30%
STRETCH AT B. L. 3,30%

COLOURS Melange Kevlar / Dyneema® / Polyester to choose from:



100% SK75 HPS PU COATED

SK75 - DYN / CRD / PET

COVER Dyneema® / Cordura / Polyester.

PRODUCT CODE NA77C82

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE Among the covers with less presence of high-tech fibers, this rope is the one with the higher durability, smoothness and grip. It has a very good behaviour on stopper and winch, with perfect blocking and fluid regulation without annoying "release".

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,30%
STRETCH AT B. L. 3,30%

COLOURS Melange Dyneema® / Cordura / Polyester to choose from:



100% SK75 HPS PU COATED

SK75 - CRD / PET

COVER Cordura / Polyester.

PRODUCT CODE NA77C24

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating and special heat treatment HPS.

FEATURES AND USE Lightness, high breaking load, low creep and minimum elongation with a perfect grip: these are the four main characteristics, which identify this rope. It is studied to obtain an excellent grip on stopper and winch, through the use of special anti-slip fibers. Moreover, it can be chosen whether as halyard or as sheet, thanks to its soft and grip hand.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,30%
STRETCH AT B. L. 3,30%

COLOURS Melange Cordura / Polyester to choose from:



PERFORMANCE LINE DYNEEMA® SK75 + PU

Low Stretch
Elevated Breaking Load
Light Weight

Rope more manageable
Core more supple
Not HPS treated

Ø	SUPERROUND 75 SINGLE BRAID		FOR ALL COVERS		BTEC/ DYN	BTEC/ DYN/PET	BTEC/ PET	KEV/ DYN/PET	DYN/ CRD/PET	CRD/ PET
	B. L.	WEIGHT	B. L.	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]
1	-	-	-	-	-	-	-	-	-	-
1,5	280	1,66	-	-	-	-	-	-	-	-
2	400	2,60	180	4,34	4,33	4,39	4,26	3,87	4,26	
2,5	560	3,80	280	5,76	5,73	5,81	5,64	5,13	5,64	
3	730	5,00	400	6,97	6,94	7,04	6,83	6,21	6,83	
3,5	1.100	7,50	560	9,39	9,36	9,49	9,21	8,37	9,21	
4	1.530	9,80	730	12,52	12,30	12,65	12,28	11,16	12,28	
5	2.300	14,40	1.100	19,29	19,30	19,48	18,91	17,19	18,91	
6	3.230	20,00	1.530	26,50	26,17	26,70	26,17	23,50	25,74	
7	4.560	27,00	2.300	38,20	37,70	38,50	37,70	33,90	37,62	
8	6.100	35,00	2.800	49,90	49,20	50,20	49,20	44,30	48,40	
9	7.270	46,00	3.230	60,15	59,30	60,50	59,30	53,35	58,41	
10	9.000	57,00	4.560	70,40	69,38	70,80	69,38	62,40	68,31	
11	10.200	61,00	6.100	85,75	84,50	86,20	84,48	76,00	83,16	
12	12.000	68,00	7.270	101,10	99,57	101,60	99,57	89,60	98,00	
13	13.250	73,00	8.000	-	-	-	-	-	-	
14	14.500	78,00	9.000	136,60	134,55	137,30	134,55	121,10	132,46	
15	15.900	90,00	10.200	-	-	-	-	-	-	
16	17.800	102,00	12.000	171,50	168,95	172,40	168,95	152,00	166,32	
17	19.500	-	13.250	-	-	-	-	-	-	
18	21.700	126,00	14.500	187,90	185,02	188,80	185,02	166,50	182,16	
20	25.900	160,00	15.900	247,10	243,33	248,30	243,33	219,00	239,58	

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of exposure, can reduce the breaking loads of the ropes.



100% SK75 PU COATED

SK75 Single Braid

COVER Single braid without cover.

PRODUCT CODE NA67

CONSTRUCTION 12 plait with Dyneema® SK75 impregnated with polyurethane coating.

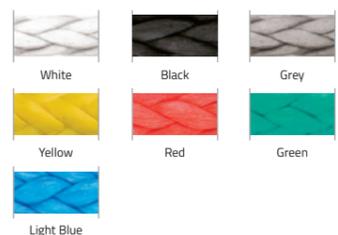
FEATURES AND USE

Low stretch
Elevated breaking load
Light weight
Rope more manageable
Core more supple
Not HPS treated
Product available without cover or with protection cover.

STANDARD DIAMETERS From 1,5 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,60%
STRETCH AT B. L. 3,60%

COLOURS



100% SK75 PU COATED

SK75 - BTEC / DYN

COVER Black Technora / Dyneema®.

PRODUCT CODE NA67C35

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating.

FEATURES AND USE

This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,60%
STRETCH AT B. L. 3,60%

COLOURS Melange Natural Black Technora / Dyneema®.



BTEC / DYN



100% SK75 PU COATED

SK75 - BTEC / DYN / PET

COVER Black Technora / Dyneema® / Polyester.

PRODUCT CODE NA67C85

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating.

FEATURES AND USE

It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. It's simply to control and to release on winch.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,60%
STRETCH AT B. L. 3,60%

COLOURS Melange Black Technora / Dyneema® / Polyester to choose from:



100% SK75 PU COATED

SK75 - BTEC / PET

COVER Black Technora / Polyester.

PRODUCT CODE NA67C86

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating.

FEATURES AND USE

This rope is used on monotypes, oceanic boats and on Super Yachts. It combines functional characteristics of high level, with UV and abrasion resistance, and good grip. The look is also winning, thanks to the mixture among the black of Technora and the different colours of the Polyester.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,60%
STRETCH AT B. L. 3,60%

COLOURS Melange Black Technora / Polyester to choose from:



100% SK75 PU COATED

SK75 - KEV / DYN / PET

COVER Kevlar / Dyneema® / Polyester.

PRODUCT CODE NA67C78

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating.

FEATURES AND USE

It preserves similar characteristics as its sister BTEC+DYN+PET, but thanks to the high point of fusion of Kevlar, it is more suitable for high speed manoeuvres and load, where the ropes reach high temperatures. It possesses one of the best grip, but the UV resistance is lower than Black Technora, which is composed by special pigments that protract the life of the rope, despite of the exposure to the UV rays.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,60%
STRETCH AT B. L. 3,60%

COLOURS Melange Kevlar / Dyneema® / Polyester to choose from:



100% SK75 PU COATED

SK75 - DYN / CRD / PET

COVER Dyneema® / Cordura / Polyester.

PRODUCT CODE NA67C82

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating.

FEATURES AND USE

Among the covers with less presence of high-tech fibers, this rope is the one with the higher durability, smoothness and grip. It has a very good behaviour on stopper and winch, with perfect blocking and fluid regulation without annoying "release".

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,60%
STRETCH AT B. L. 3,60%

COLOURS Melange Dyneema® / Cordura / Polyester to choose from:



100% SK75 PU COATED

SK75 - CRD / PET

COVER Cordura / Polyester.

PRODUCT CODE NA67C24

CORE 12 plait with Dyneema® SK75 impregnated with polyurethane coating.

FEATURES AND USE

Lightness, high breaking load, low creep and minimum elongation with a perfect grip: these are the four main characteristics, which identify this rope. It is studied to obtain an excellent grip on stopper and winch, through the use of special anti-slip fibers. Moreover, it can be chosen whether as halyard or as sheet, thanks to its soft and grip hand.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,60%
STRETCH AT B. L. 3,60%

COLOURS Melange Cordura / Polyester to choose from:



Near zero creep
Ideal under static loads
Mainsail halyards

Genoa halyards
Steering line systems

Ø	VECTRAN SINGLE BRAID		FOR ALL COVERS		BTEC/ DYN	BTEC/ DYN/PET	BTEC/ PET	KEV/ DYN/PET	DYN/ CRD/PET	CRD/ PET
	B. L.	WEIGHT	B. L.	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT	WEIGHT
[mm]	[daN]	[g /m]	[daN]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]	[g /m]
1	-	-	-	-	-	-	-	-	-	-
1,5	-	-	-	-	-	-	-	-	-	-
2	430	3,10	160	-	-	-	-	-	-	4,10
2,5	640	4,50	220	-	-	-	-	-	-	5,70
3	860	6,10	430	-	-	-	-	-	-	7,40
3,5	1.350	9,50	640	-	-	-	-	-	-	10,00
4	1.795	11,90	860	-	-	-	-	-	-	13,50
5	2.760	18,00	1.350	-	-	-	-	-	-	21,10
6	3.800	25,00	1.795	28,70	28,22	28,80	28,22	25,40	-	27,85
7	-	-	-	-	-	-	-	-	-	-
8	6.760	44,50	3.800	55,00	54,19	55,30	54,19	48,80	-	53,36
9	-	-	-	-	-	-	-	-	-	-
10	10.000	74,00	5.300	77,60	76,44	78,00	76,44	68,80	-	75,24
11	-	-	-	-	-	-	-	-	-	-
12	12.540	85,00	7.970	112,30	110,64	112,90	110,64	99,60	-	108,90
13	-	-	-	-	-	-	-	-	-	-
14	15.450	107,00	10.000	154,00	151,61	154,70	151,61	136,50	-	149,29
15	-	-	-	-	-	-	-	-	-	-
16	18.530	127,00	12.540	188,90	186,00	189,80	186,00	167,40	-	183,15
17	-	-	-	-	-	-	-	-	-	-
18	20.900	166,00	15.450	217,50	214,13	218,50	214,13	192,80	-	210,87
20	23.360	210,00	18.530	272,60	268,42	273,90	268,42	241,60	-	264,33

NOTE ABOUT BREAKING LOAD AND DIAMETERS The average values shown above are derived from tests taken at Armare laboratory, on properly spliced new ropes, and may change without notice. Other diameters available on request. The static load of the rope must not exceed 20% of Breaking Load shown in the table. Knots may affect the Breaking Load of the rope with reductions of up to 60%. The splicing increases the diameter of the rope of about 1.5 times. The use and exposure to weather conditions, depending from the kind of rope and the time of exposure, can reduce the breaking loads of the ropes.



100% VECTRAN PU COATED

VEC Single Braid

COVER Single braid without cover.

PRODUCT CODE NA55

CONSTRUCTION 12 plait in Vectran® with polyurethane coating.

FEATURES AND USE

Near zero creep
Ideal when used under static loads
Suggested on main sail and genoa halyards
Optimal for steering line systems
Not particularly fit for use without a sheath
Product available without cover or with protection cover.

STANDARD DIAMETERS From 2 to 26 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,60%
STRETCH AT B. L. 3,60%

COLOURS



Vectran Natural Vectran Grey



100% VECTRAN PU COATED

VEC - BTEC / DYN

COVER Black Technora / Dyneema®.

PRODUCT CODE NA55C35

CORE 12 plait in Vectran® with polyurethane coating.

FEATURES AND USE This rope is composed by two of the best fibres in terms of durability and performance. The mixture of them is carefully studied to be fairly distributed and to profit by the best quality of both fibres, in order to lead the rope to excellent results in terms of smoothness, abrasion resistance and durability. Ideal for manoeuvres of high effort and repeated mechanical stress, in particular where the wear of the cover is steadily present.

STANDARD DIAMETERS From 4 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,60%
STRETCH AT B. L. 3,60%

COLOURS Melange Natural Black Technora / Dyneema®.



BTEC / DYN



100% VECTRAN PU COATED

VEC - BTEC / DYN / PET

COVER Black Technora / Dyneema® / Polyester.

PRODUCT CODE NA55C85

CORE 12 plait in Vectran® with polyurethane coating.

FEATURES AND USE It is suitable for numerous boats and uses. Thanks to the presence of Polyester, it is easy to customize, and it becomes more recognizable in the distinction among different manoeuvres. In comparison with BTEC+DYN cover, it has a lightly lower strength on intensive uses, but it maintains the main characteristics, with an excellent resistance to abrasion and repeated bending. It's simply to control and to release on winch.

STANDARD DIAMETERS From 4 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,60%
STRETCH AT B. L. 3,60%

COLOURS Melange Black Technora / Dyneema® / Polyester to choose from:



Black Anthracite Silver Grey
Light Blue Red Green
Yellow Hemp



100% VECTRAN PU COATED

VEC - BTEC / PET

COVER Black Technora / Polyester.

PRODUCT CODE NA55C86

CORE 12 plait in Vectran® with polyurethane coating.

FEATURES AND USE This rope is used on monotypes, oceanic boats and on Super Yachts. It combines functional characteristics of high level, with UV and abrasion resistance, and good grip. The look is also winning, thanks to the mixture among the black of Technora and the different colours of the Polyester.

STANDARD DIAMETERS From 4 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,60%
STRETCH AT B. L. 3,60%

COLOURS Melange Black Technora / Polyester to choose from:



Black Anthracite Silver Grey
Light Blue Red Green
Yellow Hemp



100% VECTRAN PU COATED

VEC - KEV / DYN / PET

COVER Kevlar® / Dyneema® / Polyester.

PRODUCT CODE NA55C78

CORE 12 plait in Vectran® with polyurethane coating.

FEATURES AND USE It preserves similar characteristics as its sister BTEC+DYN+PET, but thanks to the high point of fusion of Kevlar, it is more suitable for high speed manoeuvres and load, where the ropes reach high temperatures. It possesses one of the best grip, but the UV resistance is lower than Black Technora, which is composed by special pigments that protract the life of the rope, despite of the exposure to the UV rays.

STANDARD DIAMETERS From 4 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,60%
STRETCH AT B. L. 3,60%

COLOURS Melange Kevlar / Dyneema® / Polyester to choose from:



Black Anthracite Silver Grey
Light Blue Red Green
Yellow Hemp



100% VECTRAN PU COATED

VEC - DYN / CRD / PET

COVER Dyneema® / Cordura / Polyester.

PRODUCT CODE NA55C82

CORE 12 plait in Vectran® with polyurethane coating.

FEATURES AND USE Among the covers with less presence of high-tech fibers, this rope is the one with the higher durability, smoothness and grip. It has a very good behaviour on stopper and winch, with perfect blocking and fluid regulation without annoying "release".

STANDARD DIAMETERS From 4 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,60%
STRETCH AT B. L. 3,60%

COLOURS Melange Dyneema® / Cordura / Polyester to choose from:



Black Anthracite Silver Grey
Light Blue Red Green
Yellow Hemp



100% VECTRAN PU COATED

VEC - CRD / PET

COVER Cordura / Polyester.

PRODUCT CODE NA55C24

CORE 12 plait in Vectran® with polyurethane coating.

FEATURES AND USE Lightness, high breaking load, low creep and minimum elongation with a perfect grip: these are the four main characteristics, which identify this rope. It is studied to obtain an excellent grip on stopper and winch, through the use of special anti-slip fibers. Moreover, it can be chosen whether as halyard or as sheet, thanks to its soft and grip hand.

STANDARD DIAMETERS From 2 to 30 mm.
Other diameters on request.

STRETCH AT 30% B. L. 2,60%
STRETCH AT B. L. 3,60%

COLOURS Melange Cordura / Polyester to choose from:



Black Anthracite Silver Grey
Light Blue Red Green
Yellow Hemp