

PIKASOMA 
Mooring and Lifting

**GLOBAL PARTNER
FOR MOORING & LIFTING
SOLUTIONS**

AMBER 
MOORING ROPES

80%

of all the projects are carried out
outside the Baltic Sea region

GARANT GROUP is founded following our passion for sea, love for people and a genuine desire to help.

Service is in our DNA. No matter who we're dealing with, no matter which solution, and no matter which division, we're determined to provide a level of service that will inspire maximum confidence among our customers. We have always been an extraordinary combination of business acumen and rule-makers and rule-breakers.

The strong spirit of independence, the desire for challenge and the great respect for our heritage encourages us every day. All of that is reflected in our company culture where trust, respect, dynamics, and flexibility shape the way we live and do business.

Exceeding expectations and adding value with an open heart and mind.

250

employees and
specialists

14850

projects
worldwide

1570

ships served
annually

8000 m²

warehouse and workshop
facilities

5M

Eur
goods in stock

PIKASOMA started its journey in the port of Klaipeda in 1997 and is a part of GARANT GROUP international holding.

For more than 25 years Pikasoma has been implementing complete mooring and towing solutions, delivering marine supplies and everything you need for shipping, fishing industries, offshore, newbuilding and ship repair yards.

In recent years we have expanded our global warehouse network and shaped our stock to meet the specific needs of your fleet. Our expert sales managers quickly process your inquiry and support with a relevant technical advice. A team of dedicated logisticians secure a smooth delivery to the right location.

AMBER is our registered brand of high quality, reliable ship ropes. We have designed and developed AMBER ropes range to offer technologically relevant and safe solutions for your fleet.

Durable AMBER mooring ropes are easy to handle which makes maneuvering of vessels extremely accurate. The range of synthetic multipurpose ropes is available in different diameters with excellent performance indicators.



A member of



INSIDE MATTERS

We care about people at sea. That is why we launched the production of mooring ropes with Snap Back Limiter technology. It ensures the safety of the crew during mooring operations

Ropes with integrated Snap Back Limiter (SBL) technology

- ▶ Energy absorbing core within the rope reduces snap back if rope breaks
- ▶ Stronger and lighter due to polypropylene and polyester fiber yarns
- ▶ Buoyant
- ▶ UV resistant

Rope services

- ▶ Rope design development
- ▶ Rope inspection & retirement advisory
- ▶ Personalized product trainings

AMBER MIX S



Fiber
Combination of Polypropylene and Polyester Fiber yarns



Construction
12-Strand plaited regular lay with Anti-Snap Back rope in the core



Specific gravity
0.98 (floating)



Elongation
17-20%



Melting point
165°C



UV resistance
Excellent



Abrasion resistance
Excellent



Application
Mooring, towing, anchor line, shock line, slings etc.

Features

Integrated Snap Back Limiter technology
Reduces snap back if rope breaks

Ensures safe mooring activities

Material composition as AMBER MIX

Polypropylene and polyester fiber yarns give higher strength and lighter weight to the rope

Diameter (mm)	Circ (inch)	Weight/220m (kg)	Breaking strength (t)	LDBF MEG4 (t)
40	5	165	33.2	29.88
44	5-1/2	195	40.2	36.18
48	6	226	47.3	42.57
50	6-1/4	247	51.5	46.36
52	6-1/2	269	55.6	50.04
56	7	309	63.8	57.42
60	7-1/2	350	72.6	63.27
64	8	401	79	71.1
68	8-1/2	454	86.7	78.03
72	9	506	97	87.3
80	10	640	117.9	106.11

The product is approved by Lloyd Register. AMBER MIX S rope is produced according to ISO 9554 and tested according to ISO 2307 and OCIMF MEG4.

AMBERMIX



Fiber
High tenacity Polypropylene with outer yarns alternating with Polyester



Construction
8-strand braided rope



Specific gravity
0.99 (floating)



Elongation
18-20%



Melting point
165°C



UV resistance
Excellent



Abrasion resistance
Excellent



Application
Mooring, towing, anchor line, shock line, slings etc.

Features

Polypropylene and polyester fiber yarns give higher strength and lighter weight to the rope. It has a great value among the customers for its quality, durability and performance indicators

Diameter (mm)	Circ (inch)	Weight/220m (kg)	Breaking strength (t)	LDBF MEG4 (t)
40	5	165	33.2	30.0
44	5-1/2	195	40.2	36.2
48	6	226	47.3	42.6
50	6-1/4	247	51.5	46.4
52	6-1/2	269	55.6	50.0
56	7	309	63.8	57.4
60	7-1/2	350	72.6	65.3
64	8	401	82.5	74.2
66	8-1/16	427.7	87.8	79.0
68	8-1/2	454	93.0	83.7
72	9	506	103.9	93.5
80	10	640	127.6	114.8

All products are produced in accordance with OCIMF guidelines and IACS approved

AMBERULTRA S



Fiber
UHMWPE,Nylon



Construction
12-Strand UHMWPE rope with Anti-Snap Back rope in the core



Specific gravity
0.97 (floating)



Elongation
3.5%-4%



Melting point
150°C



UV resistance
Very good



Abrasion resistance
Very good



Application
Mooring, towing, anchor line, shock line, slings etc

Features

Integrated Snap Back Limiter technology. The Snap Back Limiter is an energy absorbing core within the rope.

Material composition as AMBER ULTRA

Reduces snap back if rope breaks

Ensures safe mooring activities

Low water absorption. Remains light when working in wet conditions

Buoyant

UV resistant

Diameter (mm)	Circ (inch)	Weight/220m (kg)	Breaking strength (t)	LDBF (t)
28	3-1/2	91.3	56.92	51.23
30	3-3/4	107.8	66.1	59.49
32	4	122.1	74.66	67.19
34	4-1/4	136.4	83.23	74.91
36	4-1/2	155.1	93.94	84.55
38	4-3/4	173.8	104.65	94.19
40	5	192.5	114.75	103.28
42	5-1/4	215.97	124.85	112.37
44	5-1/2	237.97	135.86	122.27

The product is approved by Lloyd Register. AMBER ULTRA S rope is produced according to ISO 9554 and tested according to ISO 2307 and OCIMF MEG4.



Fiber
UHMWPE, Urethane coated



Construction
12-strand braided rope



Specific gravity
0.99 (floating)



Elongation
4-5%



Melting point
150°C



UV resistance
Excellent



Abrasion resistance
Excellent



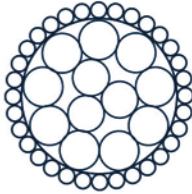
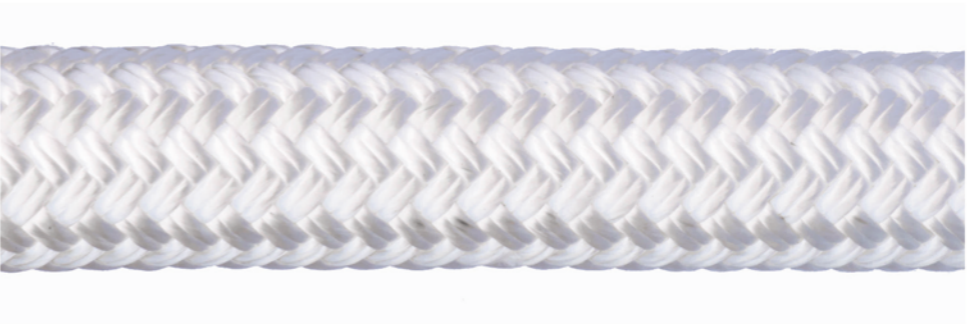
Application
Mooring, towing, anchor line, shock line, slings etc.

Features

Wire rope replacement because of its superior strength

Diameter (mm)	Circ (inch)	Weight/220m (kg)	Breaking strength (t)	LDBF MEG4 (t)
22	2-3/4	67.1	50	45
24	3	78.9	58	52.2
26	3-1/4	90.2	66	59.4
28	3-1/2	103.4	74	66.6
30	3-3/4	114.4	81.5	73.4
32	4	125.4	88.5	79.7
34	4-1/4	137.5	96.3	86.67
36	4-1/2	149.6	104	93.6
40	5	184.4	184.8	166.3
44	5-1/2	224.4	152	136.8
48	6	266.6	179	161.1
50	6-1/4	290.4	194	174.6
52	6-1/2	310.2	206	185.4
54	6-7/8	347.6	221	198.9
56	7	358.6	236	212.4
60	7-1/2	385	252	226.8

All products are produced in accordance with OCIMF guidelines and IACS approved



Fiber
UHMWPE+ Polyester



Construction
12-strand braided rope + outer layer cover



Specific gravity
0.99-1.11 polyester jacket
0.99 UHMWPE jacket



Elongation
4-5%



Melting point
150 °C UHMWPE jacket
250 °C polyester jacket



UV resistance
Excellent



Abrasion resistance
Excellent



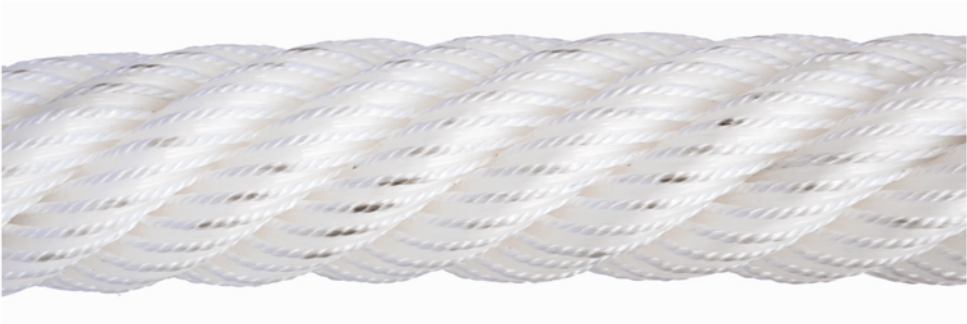
Application
Mooring, towing, anchor line, shock line, etc.

Features

Ropes float in water which makes them significantly safer. Their low elongation combined with their low weight makes their handling easy and the maneuvering of vessels extremely accurate especially in distress & critical times. Polyester jacket will protect the UHMWPE rope core and prolong the service life of a rope

Diameter (mm)	Circ (inch)	Weight/220m (kg)	Breaking strength (t)	LDBF MEG4 (t)
22	2-3/4	68.4	38.6	34.7
24	3	81.4	46.0	41.4
26	3-1/4	95.7	54.0	48.6
28	3-1/2	112.2	63.1	56.8
30	3-3/4	128.9	68.7	61.8
32	4	143	74.2	66.8
34	4-1/4	157.8	83.6	75.2
36	4-1/2	173.8	93.0	83.7
40	5	209	114	102.6
44	5-1/2	244.2	135	121.5
48	6	301.4	165.2	148.7
50	6-1/4	327.8	179.3	161.4
52	6-1/2	354.2	195.2	175.7
54	6-7/8	378	212.6	191.3
56	7	402.6	230	207.0
60	7-1/2	451	263	236.7

All products are produced in accordance with OCIMF and MEG4 guidelines and IACS approved



Fiber
Nylon monofilament and high tenacity nylon multifilament



Construction
6-strand cross lay rope + core



Specific gravity
1.14



Elongation
22%



Melting point
218°C



UV resistance
Excellent



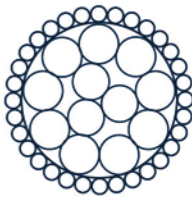
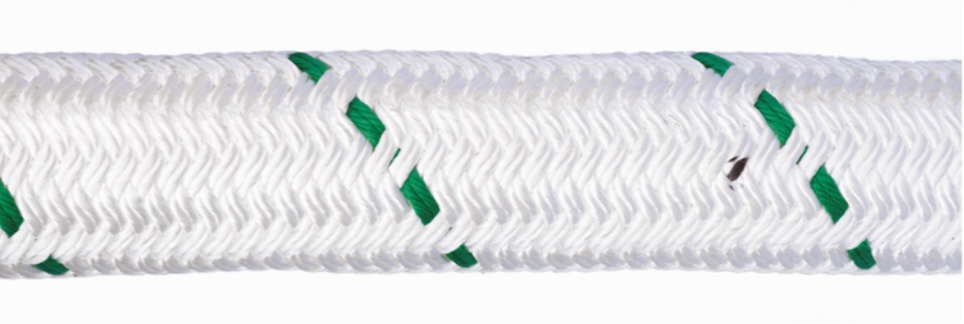
Abrasion resistance
Excellent



Application
Mooring, towing, winch line, anchor line and other heavy duty applications.

Features
High deformation & fatigue resistance

Diameter (mm)	Circ (inch)	Weight/220m (kg)	Breaking strength (t)	LDBF MEG4 (t)
40	5	217.8	31.4	28.3
44	5-1/2	253	39.9	35.9
48	6	301.4	47.5	42.8
52	6-1/2	354.2	51.3	46.2
56	7	411.4	63.7	57.3
60	7-1/2	470.8	68.4	61.6
64	8	536.8	77.9	70.1
68	8-1/2	607.2	89.3	80.4
72	9	679.8	102.6	92.3
80	10	838.2	119.7	107.7



Fiber
UV stabilized high tenacity polyolefin hybrid yarn



Construction
12-strand braided core + outer cover layer



Specific gravity
0.93 (floating)



Elongation
Approx. 15%



Melting point
165°C



UV resistance
Good



Abrasion resistance
Excellent



Application
Mooring, winch line, anchor line and other heavy duty applications.

Features
Low elongation increases safety by minimizing risks due to snap back action. Doesn't lose strength when wet.

Diameter (mm)	Circ (inch)	Weight/220m (kg)	Breaking strength (t)	LDBF MEG4 (t)
48	6	291.5	48	43
50	6-1/4	316.4	52	47
52	6-1/2	351	59	53
56	7	401.5	65	59
60	7-1/2	440	75	68
64	8	490.6	86	77
66	8-1/16	506.9	91	82
68	8-1/2	550	95	86
72	9	617.1	106	95
80	10	792	130	117

Mooring tails



Fiber
High tenacity Polypropylene with outer yarns alternating with Polyester

Construction
8-strand braided rope

Specific gravity
0.99 (floating)

Elongation
18-20%

Melting point
165°C

UV resistance
Excellent

Abrasion resistance
Excellent

Application
Mooring, towing, offshore.

Features

Mooring tails provide elasticity and shock/energy absorption within the mooring arrangement and prevent damages to primary mooring line. Used especially in combination with steel or UHMWPE ropes.

Diameter (mm)	Lenght (m)	Wt/tail (kg)	Breaking strength (t)	LDBF MEG4 (t)
60	11	37	73.5	66.15
64	11	42	84.1	75.69
68	11	48	93.7	84.33
72	11	54	103.8	93.42
76	11	60	115	103.5
80	11	65	127.7	114.93
88	11	95	158	142.2

Protection sleeves



- Features**
- ▶ Improves rope lifespan
 - ▶ Easily installed using extra durable velcro lining
 - ▶ Lightweight, with a smooth surface
 - ▶ Excellent UV and heat resistance
 - ▶ Customized sizes
 - ▶ Suitable for all fiber ropes

Rope size (mm)	Width (mm)	Length (mm)
20-40	250	3000
44-64	350	3000
68-96	500	3000

Mooring links



- Features**
- ▶ Connection between wire rope and fiber tail
 - ▶ Galvanized steel
 - ▶ Compact design

Link 90 T Tail 56-68 mm	Link 120 T Tail 72-80 mm
Breaking load: 90 T Proof load: 45 Tonnes Weight: 11,2 kg	Breaking load: 120 T Proof load: 60 Tonnes Weight: 16,9 kg
Link 180 T Tail 88-112 mm	Link 300 T Tail 88-112 mm
Breaking load: 180 T Proof load: 80 Tonnes Weight: 25 kg	Breaking load: 300 T Proof load: 100 Tonnes Weight: 52 kg

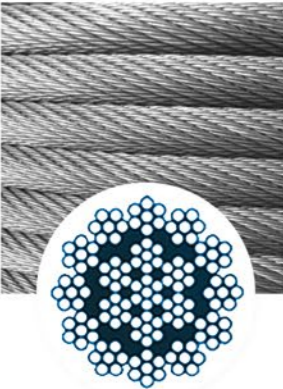
General purpose wire rope 6×36 WS+FC

Application: multipurpose



Non-rotating wire rope 19x7 WSC

Application: multipurpose, safety launching appliances

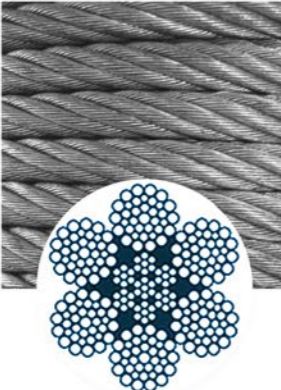


General purpose wire rope 6×19 WS+IWRC

Application: general purpose, fishing, slings, winch and hoist ropes, construction

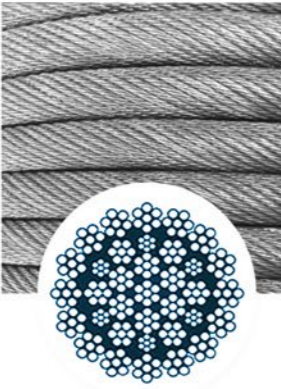
General purpose wire rope 6×36 WS+IWRC

Application: multipurpose



Non-rotating wire rope 35x7 WSC

Application: multipurpose, safety launching appliances



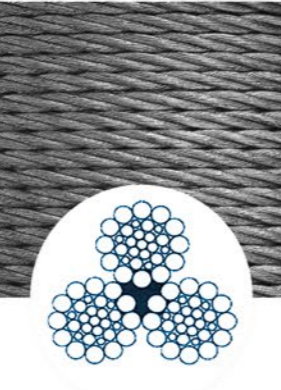
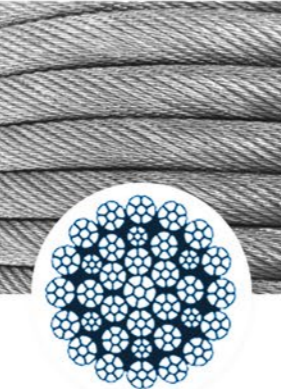
Poweract 4 4x36

Application: high lifting tower cranes



Compacted non-rotating wire rope 35x7 WSC

Application: multipurpose



SES Swaged 4x39

Application: cranes, cargo lifting, hoisting



General purpose wire rope 6×19 WS+FC

Application: general purpose, fishing, slings, winch and hoist ropes, construction



Galvanized steel wire rope 3×31 WS

Application: trawl warp. Bottom trawling: upper/lower bridles, sweepline, headline

Fitting eyes using our 1000 t press



Tensile test using our own test bed



All products are IACS approved

All products are IACS approved



- ▶ Hoisting
- ▶ Luffing
- ▶ Lifting
- ▶ DNV certification upon request



Thimbles DIN & JIS standards

VIPER Wire Rope Lubricator is a safer & faster method to take care of your mooring ropes. This automatic application cleans all outer contamination and lubricates steel wire ropes in one pass.

VIPER MINI MK3 Lubricator
Suitable for wire ropes:
6 mm to 44 mm



VIPER MID MK2 Lubricator
Suitable for wire ropes:
6 mm to 67 mm



VIPER MAXI MK2 Lubricator
Suitable for wire ropes:
50 mm to 165 mm

- ▶ Requires no special skills and no tools to operate
- ▶ Single person operation with a lightweight design
- ▶ Reduce labour required to lubricate wire ropes by up to 90%
- ▶ Grease up to 2000m of rope per hour
- ▶ Increase wire rope life up to 300%
- ▶ Light weight, easy to install and operate
- ▶ Unlike the manual method, operators have no direct contact with the lubricant
- ▶ All excess lubricant is captured and may be re-used, no wastage

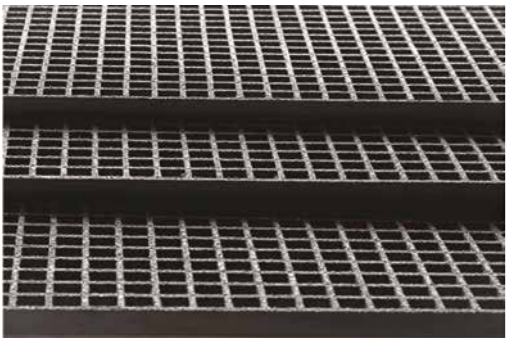
An official distributor



Sale & rental

Gratings

Isophthalic gratings



Panel Thickness (mm)	Panel size (mm)	Mesh size (mm)
25 30 38	Standard: 1000x2000 Panels can be cut to any size according to requirements	25x100 38x38
Material	Operation temperature	Corrosion and chemical resistant
Isophthalic polyester resin Vinylester resin	-50 – 90 °C -50 – 110 °C	Industrial Superior

Features

- ▶ Easy to handle
- ▶ Lighter than steel
- ▶ Non-corrosive
- ▶ Do not require painting
- ▶ Superior grip
- ▶ Slip resistance

Phenolic gratings



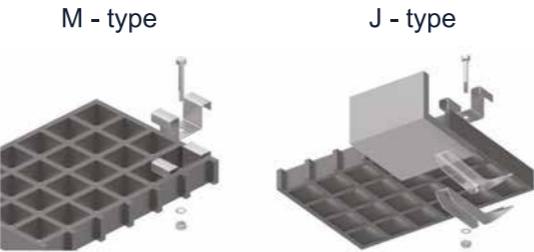
Types

- ▶ Pultruded
- ▶ Molded

Features

- ▶ Superior fire safety characteristics
- ▶ Long service life
- ▶ Low maintenance
- ▶ High strength to weight ratio
- ▶ Slip resistance
- ▶ High corrosion resistance
- ▶ Low installations cost

Connection clips



ROTTERDAM

SINGAPORE

HOUSTON

MONTREAL

BUSAN

KLAIPĖDA

RIGA

LAS PALMAS

ALGECIRAS



All products are IACS approved