MARINE ROPES

MOORING ROPES
CATALOGUE

- WCI Marine Ropes is part of the holding companies under the World Clean International umbrella.

  We are a Panamanian private-owned family company, managed by an expertise staff with more than 20 years of experience on the maritime field. World Clean International joined the maritime industry as a chemical factory in 2006 and has been expanding exponentially to the supplies and production of other line of technical products, thanks to the broad vision to improve, lead and innovate the maritime sector.

  Under our WCI brand we produce a wide variety of fiber ropes for all sizes of vessels and mixed with different materials. Along with our technical experts in the shipping field, we gladly support our clients with the best solutions in all the key ports at America, Europe, Africa and Asia.

- All our ropes are mixed with strong fibers and high quality raw materials, such as high polypropylene, polyethylene, nylon, among many others. Also we provide the latest ANTI-SNAP Back arrestor technology for the safety of the seafarers on board.

- We are certified by ABS, Lloyds Register and MEG4 for all our ropes and we have a wide technical staff available to support all our clients worldwide.

¡Welcome on board!

www.wcimaritimeservices.com sales@wciropes.com wcimarineropes

MARINE ROPES

ADVANCED EQUIPMENT

MARINE ROPES

ANTI-SNAP BACK ARRESTOR TECHNOLOGY

Our WCI Anti-Snap-Back arrestor ropes have an energy-absorbing core, which is in the middle of all our 12 strand fiber mixed ropes. With this new safety technology improvement, if the outer of the rope breaks due to overload, this core absorbs the snap-back forces. Consequently, this core transforms the act from a potentially deadly snap to a much safer slump, since the impact will be with a minimum force.

STRIT INSPECTION

The testing equipment is complete and advanced, from the monofilament detection to the detection of the finished rope, to ensure the product quality. At present, the maximum tensile strength machine is 7000KN.

MARINE ROPES

UHMWPE ROPES

INTRODUCTION

Ultra-high-molecular-weight polyethylene (UHMWPE) is the strongest fiber rope in the world, higher strength than wire ropes of the same diameter, the weight is only 14% of the same MBL wire rope.the coating and the heat-setting process improve drastically the structural stability and the strength efficiency of the rope while increasing the rope's coefficient of friction for better gripping performance when used in winches, capstans, chocks, bitts etc. there have two types for the UHMWPE, the II type is more wearable than I type, so II type service lift will be longer, operate more convenient, fast and safety.

FEATURES

- Material: UHMWPE Yarns with special coating
- Construction: 8 or 12strand
- Strongest fiber rope in the world
- 14% of the wire rope weight in case of the same MBL
- Excellent resistance to UV and chemicals
- No difference in tensile strength when wet or dry
- Easy to Splice
- Excellent abrasion resistance
- Melting Point:1500
- Elongation: 4%(When new)
- Specific gravity: 0.97(Floating)

APPLICATIONS

Mooring, Tow Lines, Anchor Line, Sling, Tug Rope, National Defense, Oil and other fields.

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SAMPLE CERTIFICATES

ABS Consulting
An ABS Group Company

LEEA
Full Member

Report no.	Project no.	Report date:	Office:
21-38111-SG7	**4588459**	17 MAY **2021**	**Singapore**

Report of Activity
Verification of Product Testing Documentation

General scope of activity: Third Party Verification of Product Documentation	**Dates of all related activity**: 17 May 2021
Name and address of manufacturing/Test facility: WCI Maritime Services S.A. Address:Transistmic Way, Bethania San Antonio 80th St, Building WCI, Panama City, Panama.	**Purchaser/Owner/Client:** For Stock
Component description(s): PP&PET Mixed Rope Material type and grade: AA Grade Polypropylene & Polyester Mixed	**Results**: Meets requirements ☒ Subject to condition(s) noted ☐ Does not meet requirements ☐

This is to certify that the undersigned Technical representative of ABSG Consulting Inc. did at the request for above mentioned manufacturer and carry out the scope of services described below.

The scope of activity included the following:
1.1 Third Party Product Documentation Verification

Product	**12-Strand** PP&**PE**T Mixed **Rope**
Diameter	64**mm**
Length	220**m**
Material	Polypropylene & Polyester Mixed
Construction	**12 strands**

1.2 Issue Report of Activity

WCI MARINE ROPES

MARINE ROPES

Certi No : DECWCI52-001

Mooring Line Certificate

Type Approval : LRSBUS2109893/3

Manufactured According to :
OCIMF MEG4

Tested According to :
ISO 2307 2019

Client :
PO NO :
Vessel Name:
IMO No :

The mooring line has been manufactured, tested and documented following the ISO standard and the guidelines in appendix B of the Mooring Equipment Guidelines, 4 Edition, Issued by the OCIMF

LINE Supply Information						
Ship Design MBL						-74.5 T
NSBF(if tested)						-
Diameter						64MM
Length						220M
Jacketed						NO
Splice type and design						2.0m both end sleeve eyes
Material type and Grade						HT PP / PES yarn
Manufacturer's part code and unique line identifier						two blue tracer
Line design designation(product name)						WCI MIXED ROPE
Line Construction						12 strand
Rotating						No
Performance indicators						
Line Design Break Force(LDBF)						78.2 T
Line linear Density(LLD)						2.03 kg/m
Load Bearing Linear Density(LBLD)						2.03 kg/m
	Measured			Maximum		
Line Tenacity(LT)	38.32 T/kg/m			38.70 T/kg/m		
	D/d Ratio: 5			D/d Ratio: 10		
Angle Break Force(ABF)	91%			98%		
Angle Endurance(AE)	99%			100%		
	-20☒	0☒	20☒	40☒	60☒	80☒
Temperature(T) % BF at 20 ☒	119%	106%	100%	92%	86%	85%
Axial Compression Resistance						
	%LDBF:10	%LDBF:20	%LDBF:30	%LDBF:40	%LDBF:50	
Average Immediate Strain(e)	2.8	4.7	6.8	8.5	10.4	
Line description	WCI MIXED Rope 12strand, 64mm, 220mtr					

☒ Document provided with this line :

ORIGINAL

Signature of Authorised Inspector

MARINE ROPES

8&12 STRAND UHMWPE ROPE PARAMETER TABLE

Size		Weight	Breaking Strength			
			UHMWPE Rope I		UHMWPE Rope I I	
Dia(mm)	Cir(inch)	Ktex	KN	Ton	KN	Ton
6	3/4	23	29.7	3.03	33	3.88
8	1	40	52.8	5.39	58.7	5.99
10	1-1/4	61	82.8	8.45	92	9.39
12	1-1/2	87	119	12.14	132	14.18
14	1-3/4	117	162	16.53	180	18.37
16	2	151	212	21.63	235	23.98
18	2-1/4	190	255	26.00	283	28.88
20	2-1/2	232	306	31.63	340	34.69
22	2-4/3	281	360	36.73	400	40.82
24	3	331	423	42.44	470	47.96
26	3-1/4	384	486	49.59	540	55.10
28	3-1/2	445	549	56.00	610	62.24
30	3-3/4	506	621	63.37	690	70.41
32	4	575	702	71.63	780	79.59
34	4-1/4	648	774	78.98	860	87.76
36	4-1/2	720	846	86.33	940	95.92
38	4-3/4	798	936	95.51	1040	106.12
40	5	881	1020	104.08	1130	115.30
44	5-1/2	1060	1180	120.40	1310	133.67
48	6	1250	1380	140.81	1530	156.12
52	6-1/2	1460	1590	162.24	1770	180.61
56	7	1690	1830	186.73	2030	207.14
60	7-1/2	1930	2050	209.18	2280	232.65
64	8	2200	2300	234.69	2560	261.22
68	8-1/2	2480	2560	261.22	2850	290.82
72	9	2780	2850	290.82	3170	323.47
76	9-1/2	3090	3150	321.43	3500	357.14
80	10	3430	3480	355.10	3870	394.89
88	11	4170	4210	429.59	4680	477.55
96	12	4970	5000	510.20	5560	567.35

DOUBLE BRAIDED ROPE

Model	Features
NYLON DOUBLE BRAIDED ROPE	Material:Polyamide, Excellent abrasion resistance, Good resistance to UV and chemicals, Melting point: 215℃, Elongation at breaking: 25%-30%(When new), Specific gravity: 1.14
POLYESTER DOUBLE BRAIDED ROPE	Material:Polyester, Excellent abrasion resistance, Good resistance to UV and chemicals, Melting point: 260℃, Elongation at breaking: 15%-21%(When new), Specific gravity: 1.38
PP MULTIFILAMENT DOUBLE BRAIDED ROPE	Material:Polypropylene Multi, Excellent abrasion resistance, Good resistance to UV and chemicals, Melting point: 165℃, Elongation at breaking: 15%-18%(When new), Specific gravity: 0.91
POLYESTER&NYLON DOUBLE BRAIDED ROPE	Material:Inner Nylon Outer Polyester, Excellent abrasion resistance, Good resistance to UV and chemicals, Melting point: 260℃/165℃, Elongation at breaking: 15%-21%(When new), Specific gravity: 1.19
POLYESTER&PP MULTIFILAMENT DOUBLE BRAIDED ROPE	Material:Inner Polypropylene Outer Polyester, Excellent abrasion resistance, Good resistance to UV and chemicals, Melting point: 260℃/165℃, Elongation at breaking: 15%-18%(When new), Specific gravity: 0.99
NYLON&PP MULTIFILAMENT DOUBLE BRAIDED ROPE	Material:Inner Polypropylene Outer Nylon, Excellent abrasion resistance, Good resistance to UV and chemicals, Melting point: 260℃/165℃, Elongation at breaking: 15%-21%(When new), Specific gravity: 0.98

INTRODUCTION

The double braided rope uses a fully automatic computerized operating procedure and consists of a 12-strand rope core and an outer layer of multi-strand rope. This unique weaving structure and excellent process technology can improve the overall performance of the rope by more than 15%, and it has many advantages such as low elongation, wear resistance, toughness and toughness, and simple operation, and it is deeply favored by users at the inside and outside country. It is currently the upgrading and replacement of 3 strand and 8 strand ropes. Products are mainly used in warships, ships, ocean shipping, offshore oil, mining

operations, fishing and other fields.

DOUBLE BRAIDED ROPE PARAMETER TABLE

Specification		Nylon		Polyester		PPMultifilament		Polyester/ Nylon		Polyester/PP		Nylon/PP	
Dia	Cir	Ktex	KN	Ktex	KN	Ktex	KN	Ktex	KN	Ktex	KN	Ktex	KN
4	1/2	10.3	3.7	12.2	3.2	8.4	2.4	12.0	4.0	9.0	2.6	8.5	2.7
6	3/4	23	8.3	27.4	7.2	18.8	5.4	27	9.0	20.2	5.8	19	6.0
8	1	41	15	49	13	33	9.6	48	16	36	10	34	11
10	1-1/4	64	23	76	20	52	15	75	25	56	16	53	17
12	1-1/2	92	33	109	29	75	22	108	35	81	23	76	25
14	1-3/4	126	45	149	39	102	29	147	47	110	31	104	33
16	2	164	59	195	51	133	38	192	62	143	41	136	44
18	2-1/4	207	75	246	65	168	49	243	78	181	52	172	55
20	2-1/2	255	92	304	80	208	60	300	96	224	64	212	68
22	2-3/4	309	111	368	97	252	73	363	116	271	77	256	82
24	3	368	127	440	114	299	86	430	138	325	93	304	98
28	3-1/2	501	172	597	157	404	118	585	182	430	124	415	130
32	4	654	225	779	205	528	154	760	236	576	162	542	170
36	4-1/2	828	285	998	262	668	195	970	314	732	216	679	227
40	5	1018	352	1220	324	825	240	1180	385	902	266	838	280
44	5-1/2	1236	420	1470	378	1006	294	1440	462	1093	324	1030	341
48	6	1473	500	1760	450	1190	354	1710	546	1300	380	1230	400
52	6-1/2	1730	600	2050	535	1390	411	2010	635	1525	443	1440	466
56	7	2009	690	2380	621	1610	474	2330	731	1773	513	1670	540
60	7-1/2	2297	780	2740	712	1850	539	2670	834	2035	584	1910	615
64	8	2616	900	3120	810	2090	613	3050	942	2310	665	2170	700
72	9	3306	1090	3950	980	2640	767	3860	1180	2924	846	2730	890
80	10	4089	1344	4870	1240	3290	934	4860	1442	3610	1036	3350	1090
88	11	4954	1626	5910	1500	3950	1117	5780	1729	4371	1254	4060	1320
96	12	5892	1950	7020	1750	4710	1304	6870	2033	5207	1501	4880	1580
104	13	6911	2320	8250	2090	5480	1513	8070	2402	6112	1758	5800	1850
112	14	8024	2670	9560	2400	6390	1694	9360	2730	7082	2043	6710	2150
120	15	9198	3050	10970	2750	7350	2010	10740	3100	8127	2328	7690	2450

MARINE ROPES

POLYPROPYLENE ROPE

INTRODUCTION

Polypropylene monofilament is the most conventional economical for the marine field,This light rope is strongest than a comparable manila rope,is non water absorbent,non slipping and provides good flexibility and high durability.and it has excellent resistance to most common chemicals. It is also resistant to rot, mildew and deterioration. It has UV resistance, good strength, and moderate stretch.

FEATURES

- Material: Polypropylene monofilament(PP)
- Construction: 3 strand, 8 strand or 12 strand
- Good resistance to solvents and chemicals
- UV stabilized
- Melting point: 165
- Elongation at breaking: 15% -18% (When new)
- Specific gravity: 0.91 (Floating)

APPLICATIONS

Mooring, Towing, Marine fishing, Marine Aquaculture, Cargo Lashing, signal ropes, Hoisting, rigging, General purpose use.

8&12 STRAND POLYPROPYLENE (PP) ROPE PARAMETER TABLE

Size		Weight	Breaking Strength	
Dia(mm) 直径	Cir(inch) 圆周	Ktex 线密度	KN 千牛	Ton 公吨
20	2-1/2	180	58	5.92
24	3	260	81	8.27
28	3-1/2	355	107	10.92
32	4	460	135	13.78
36	4-1/2	585	169	17.24
40	5	720	205	20.92
44	5-1/2	880	246	25.10
48	6	1040	286	29.18
52	6-1/2	1220	331	33.78
56	7	1420	378	38.57
60	7-1/2	1630	433	44.18
64	8	1850	490	50.00
72	9	2340	615	62.76
80	10	2900	756	77.14
88	11	3510	907	92.55
96	12	4170	1071	109.29
104	13	4900	1228	125.30
112	14	5700	1418	144.69
120	15	6500	1628	166.12
128	16	7400	1838	187.55
136	17	8400	2069	211.12
144	18	9400	2309	235.61
160	20	11521	2829	288.67

3 STRAND POLYPROPYLENE (PP)

Size		Weight	Breaking Strength	
Dia(mm)	Cir(inch)	Ktex	KN	Ton
4	1/2	6	2.1	0.2
6	3/4	17	5.9	0.60
8	1	30	10.4	1.06
10	1-1/4	45	15.3	1.56
12	1-1/2	65	21 7	2.2
14	1-3/4	90	29.9	3.05
16	2	115	37	78
18	2-1/4	148	47.2	4.82
20	2-1/	180	56.9	5.8
22	2- /4	220	68.2	6.96
24	3	260	7 7	13
26	3-1/4	305	92.2	9.4
28	3-1/2	355	105	1 7
30	3- /4	405	120	12.24
32	4	460	132	13.4
36	4-1/2	585	166	16.94
40	5	720	201	20.5

MARINE ROPES

NYLON ROPES

INTRODUCTION

Nylon rope also called polyamide rope, it is manufactured using superior grade, high-tenacity nylon fibers, has twice the strength of manila rope and it has high elongation (under load) when compared to other synthetic rope. Therefore it has good absorbing shock loads capacity. It is also excellent against rot and mildew, and is not damaged by oil and most chemicals.
Nylon is very popular in marine rope applications, It is ideal for most applications including anchor and mooring lines.

FEATURES

- Specific gravity:1.14g/cm°
- Melting Point: 2208
- Elongation at break:45% (8/12 strand), 30% (3 stand)
- Water absorption: 2-5%
- Double twisted construction (High tensile strength and good elasticity)
- Good abrasion resistance
- Good resistance to chemicals (Anti-corrosion)
- Excellent shock absorption

APPLICATIONS

Mooring rope, Anchored mooring rope, Tugboat rope, Beach rope, Fishery rope, tied work rope.

8&12 STRAND NYLON ROPE PARAMETER TABLE

Size		Weight	Nylon Multifilament rope		Nylon rope	
			Breaking Strengt			
Dia(mm)	Cir(inch)	Ktex	KN	Ton	KN	Ton
40	5	987	300	30.61	275	28.06
44	5-1/2	1190	358	36.53	328	33.52
48	6	1420	420	42.86	382	38.98
52	6-1/2	1670	489	49.90	451	46.02
56	7	1930	561	57.24	508	51.84
60	7-1/2	2220	640	65.31	588	60.00
64	8	2530	723	73.78	687	70.10
72	9	3200	905	92.35	834	85.00
80	10	3950	1102	112.45	1030	105.00
88	11	4780	1326	135.31	1211	123.57
96	12	5690	1561	159.29	1412	144.08
104	13	6670	1816	185.31	1667	170.00
112	14	7740	2091	213.37	1942	198.16
120	15	8880	2387	243.57	2167	221.12
128	16	10100	2703	275.82	2479	252.96
136	17	11400	3040	310.20	2791	284.80
144	18	12800	3386	345.51	3103	316.63
160	20	15800	4141	422.55	3827	390.51

MARINE ROPES

POLYESTER ROPE

INTRODUCTION

Our polyester rope is manufactured using premium grade polyester fibers, it is a continuous multifilament low-stretch yarn and twice twist. So it has the best UV resistance in all kinds of the chemical fiber and natural fiber rope, this results in a longer service life, yet remains flexible and easy to handle. Recommended for use in rigging, ship mooring, pelagic, sea farming and sail boats.
Standard color is white, length 200 meters or 220 meters per coil, additional lengths and colors available to special order.

FEATURES

- Specific Gravity: 1.38g/cm'
- Melting Point: 2650
- Elongation at break: 17-21% (3/12 strand), 25-28% (8 strand)
- Water absorption: 0-1%
- Excellent abrasion resistance.
- Good resistance to chemicals and corrosion.
- Excellent durability.
- Usable in low temperature.
- Easy to splice

APPLICATIONS

Ship mooring, pelagic fishing, sea farming.

3 STRAND POLYESTER ROPE PARAMETER TABLE

Size		Weight	Breaking Strength	
Dia(mm)	Cir(inch)	Ktex	KN	Ton
4	1/2	12	2.9	0.30
6	3/4	27	5.6	0.57
8	1	48	10	1.02
10	1-1/4	76	15.6	1.59
12	1-1/2	110	22.3	2.28
14	1-3/4	148	31.2	3.18
16	2	195	39.8	4.06
18	2-1/4	245	49.8	5.08
20	2-1/2	303	62.3	6.36
22	2-3/4	367	74.7	7.62
24	3	437	89.6	9.14
26	3-1/4	512	105	10.71
28	3-1/2	594	120	12.24
30	3-3/4	682	134	13.67
32	4	778	154	15.71
36	4-1/2	982	190	19.39
40	5	1215	235	23.98

8&12 STRAND POLYESTER ROPE PARAMETER TABLE

Size		Weight	Breaking Strength	
Dia(mm)	Cir(inch)	Ktex	KN	Ton
40	5	1215	250	25.51
44	5-1/2	1468	295	30.10
48	6	1750	346	35.31
52	6-1/2	2050	405	41.33
56	7	2380	458	46.73
60	7-1/2	2730	512	52.24
64	8	3110	599	61.12
72	9	3930	738	75.31
80	10	4850	889	90.71
88	11	5870	1059	108.06
96	12	6990	1246	127.14
104	13	8200	1439	146.84
112	14	9500	1645	167.86
120	15	10900	1880	191.84
128	16	12400	2129	217.24
136	17	14000	2419	246.84
144	18	15700	2670	272.45
160	20	19400	3290	335.71

MIXED ROPE II

INTRODUCTION

It is based on normal mixed rope specially development, Made of high tenacity polypropylene and polyester yarns, has retained its superior features, and can provide higher break demand. Has 8% improved breaking strength compares with normal polypropylene. This ideal composition and construction creates extremely low elongation which offers stability and safety when the rope is overloaded and makes the rope sustain its properties even after a long period under sea level, no loss of strength when wet.

FEATURES

- Double twisted construction
- Higher tensile strength than regular mixed rope
- Lower elongation
- Well UV stabilized
- Excellent repeated loading ability
- Superior abrasion resistance

8&12 STRAND PP/PET MIXED ROPE PARAMETER TABLE

Size		Weight	PP/PET Mixed Rope I		PP/PET Mixed Rope II	
			Breaking Strength			
	Cir(inch)					
40	5	776	262	26.73	305	31.12
44	5-1/2	939	314	32.04	364	37.14
48	6	1110	371	37.86	428	43.67
52	6-1/2	1320	432	44.08	496	50.61
56	7	1520	499	50.92	570	58.16
60	7-1/2	1750	569	58.06	648	66.12
64	8	1990	644	65.71	732	74.69
68	8-1/2	2255	725	73.98	821	83.78
72	9	2520	805	82.14	915	93.37
80	10	3110	982	100.20	1128	115.10
88	11	3750	1183	120.71	1344	137.14
96	12	4470	1397	142.55	1589	162.14
104	13	5260	1622	165.51		
112	14	6050	1877	191.53		
120	15	6980	2142	218.57		
128	16	7950	2417	246.63		
136	17	8950	2713	276.84		
144	18	10100	3029	309.08		
160	20	12500	3703	377.86		

SUPERMIX ROPE

Size		Breaking Strength	
Dia(mm)	Cir(inch)	KN	T
16	2	55	5.61
20	2-1/2	83	8.49
28	3-1/2	156	15.95
32	4	202	20.61
40	5	326	33.27
48	6	464	47.35
56	7	619	63.16
64	8	805	82.14
72	9	1007	102.8
80	10	1263	128.9

INTRODUCTION

SUPERMIX each strand of fiber ropes are made with polyester fibers and polypropylene. Their mechanically balanced structure, protects the strand layers against abrasion while achieving high breaking strengths.

FEATURES

- Specific gravity: 1.00 cm' (Floating)
- Elongation at breaking: 18%-20%
- Superior abrasion resistance

DANLINEX ROPE

FIBER CONTENT

High Tenacity DanLinex Fiber

CHARACTERISTICS

- High Strength than Polypropylene
- Floats
- Superior ultraviolet resistance
- Excellent flex wear resistance
- Non-Torque construction

APPLICATIONS

- Floating tow lines
- Mooring and tie-uplines
- Mooring pick-up lines

Size		Breaking Strength	
Dia(mm)	Cir(inch)	KN	Ton
40	5	315.5	32.19
48	6	433	44.18
56	7	595	60.71
64	8	762	77.75
72	9	965	98.47
80	10	1211	123.57
96	12	1677	171.72
112	14	2293	233.98
120	15	2602	265.51
144	18	3662	373.67

WCI MARINE ROPES

MARINE ROPES

MOORING TAILS & SLEEVE

REASON FOR USING MOORING TAILS

When using mooring ropes, there is a general desirability for the additional elasticity provided by mooring tails. Tails can provide this elasticity which reduces the load induced by wire moorings under dynamic loading. In the face of various winds, waves and current conditions, the tail allows the ship to respond more favourably. The tail also tends to distribute the load more evenly Compared to mooring lines without tails.

MOORING TAILS INTRODUCTION

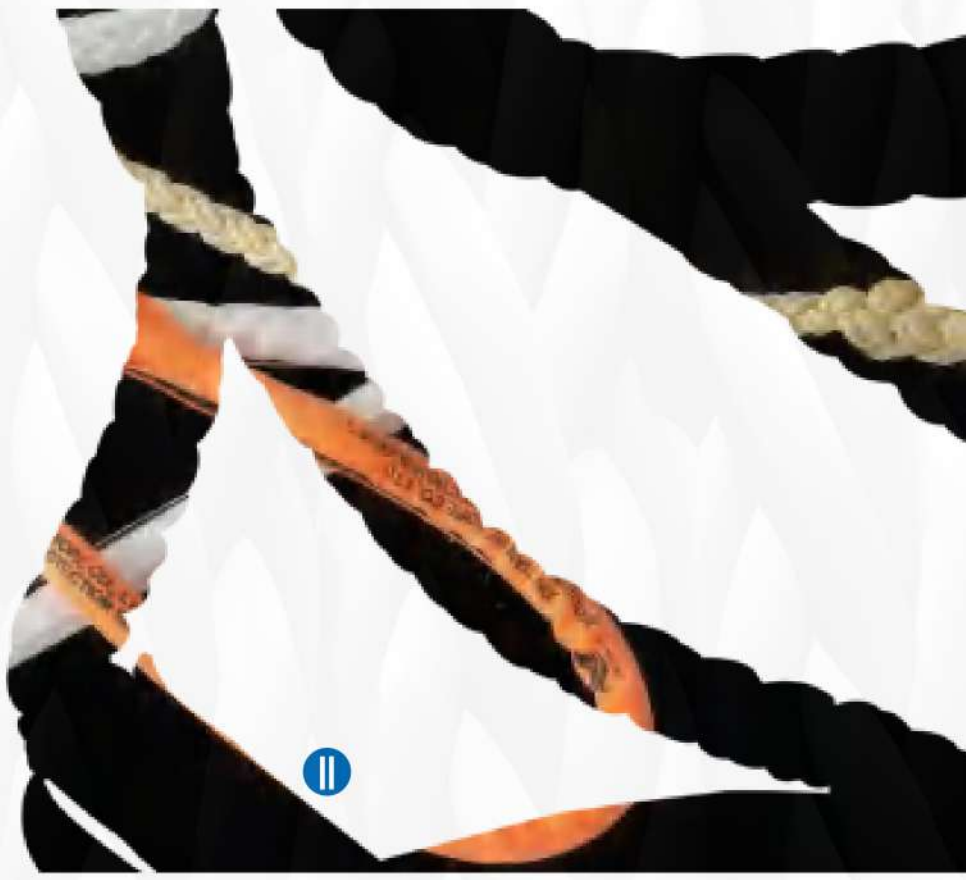
The rope tails is made of polyester and polypropylene composite or nylon yarns. As the strength is higher than that of nylon, a smaller diameter of rope can be used, providing better handling. The standard effective working length is 11 mtr, with 2.0 mtr soft eyes one end and 1.0 mtr soft eye the other end.
The vertex and splice area are urethane coated or canvas cover for added wear protection. And if you have diffrence request, please specify sizes and length, we can customized.

SLEEVE INTRODUCTION

Rope Jacket as method of protection could be applied to mooring ropes. Rope Jacket will prevent mooring rope abrasion and the life time of ropes will be longer with Perfection.

ROPE JACKET I
(Dia. 40mm-160mm)
Without handle

ROPE JACKET II
(Dia. 40mm-160mm)
With handle in each end



8/12 Strand PP&polyester Mixed Tail

Specification			Weight	Breaking Strength	
Dia(mm)	Length(M)	Cir(inch)	Weight(KG)	KN	Ton
64	11	8"	36	741	75.61
68	11	8-1/2"	41	833	85.00
72	11	9"	45.5	926	94.49
80	11	10"	56	1129	115.20
88	11	11"	67.5	1361	138.88
96	11	12"	80.5	1607	164.00
104	11	13"	95	1865	190.31
112	11	14"	109	2159	220.31
120	11	15"	126	2464	251.43

8/12 Strand Nylon Tail

Specification			Weight	Breaking Strength	
Dia(mm)	Length(M)	Cir(inch)	Weight(KG)	KN	Ton
64	11	8"	46.5	790	80.61
68	11	8-1/2"	51	857	87.45
72	11	9"	58.5	959	97.86
80	11	10"	70	1185	120.92
88	11	11"	86	1422	145.10
96	11	12"	102.5	1680	171.43
104	11	13"	118	1917	195.61
112	11	14"	139	2233	227.86
120	11	15"	157	2492	254.29

Double Braided Nylon Tail

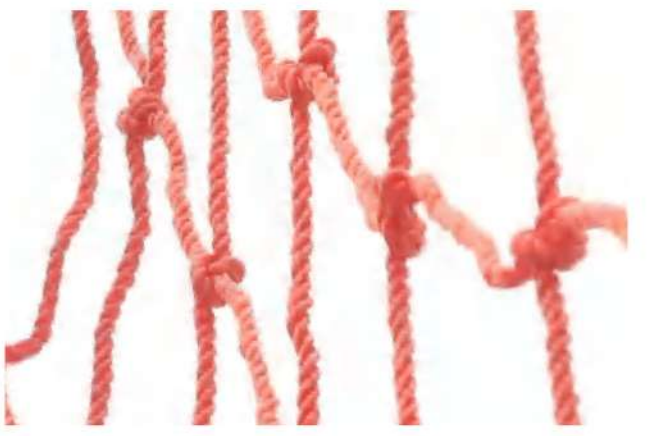
Specification			Weight	Breaking Strength	
Dia(mm)	Length(M)	Cir(inch)	Weight(KG)	KN	Ton
64	11	8"	47.1	1035	105.61
68	11	8-1/2"	53.3	1144	116.73
72	11	9"	59.5	1254	127.96
80	11	10"	73.6	1546	157.76
88	11	11"	89.2	1870	190.82
96	11	12"	106.1	2243	228.88
104	11	13"	124.4	2668	272.24
112	11	14"	144.4	3071	313.37
120	11	15"	165.6	3508	357.96

GANGWAY SAFETY NET

Commonly used materials are polyamide (nylon), polyester, polypropylene or polypropylene multifilament etc., used on both sides of the boarding gangway or below, high-altitude channels and other places that need protection, isolation and cabin coverage. Can be customized according to the customer's specific requirements.

Material	Nylon,Polyester, Polypropylene, PP Multifilament
Size	4x6m 5x10m 4x16m 5x20m as per your request
Mesh Size	100*100mm、150*150mm
Advantages	Soft,convenient to operate
Weaving Ways	Hand-made
Rim Rope Size	6mm、as per your request
Mesh Rope Size	4mm、as per your request
Color	White, as per your request

NO KNOT SAFETY NET



KNOT SAFETY NET

CARGO NET

Cargo net is a kind of net woven with polypropylene rope, which can be used to lift goods. Polypropylene cargo net can be used for lifting and transporting goods in flexible packaging and can play a protective role. Generally, the mesh is relatively large, and it can lift some heavy goods or irregular goods. The hoisting net is generally used for non-standard workpiece lifting, especially for products with special shapes and special materials.

Material	PP
Size	2x2m 2.5x2.5m 3x3m 4x4m 5x5m
Mesh Size	200*200mm
Rim Rope Size	24mm、as per your request
Mesh Rope Size	18mm、as per your request
Color	White / blue / Customized
Package	Woven bag

TIGER ROPE

Tiger rope is a low cost, low weight (floating), UV resistant, and a high quality tensile synthetic rope. Tiger rope is manufactured from extruded copolymer fibers, whose properties result in tiger ropes that size for size are almost triple the strength of traditional manila natural fiber ropes, and almost 50% stronger than conventional tape polypropylene ropes. These tiger ropes have a very good abrasion resistance and are manufactured in various colours, and to different specifications depending on their particular use and customer requirements.

TECHNICAL SPECIFICATION

- Good resistance to solvents and chemicals
- UV stabilized
- Specific gravity: 0.91

Winch line		Weight	Breaking Strength	
Dia(mm)	Cir(inch)	Ktex(G)	KN	KGF
	/4	17.5	3.92	0.40
8	1	32	7.85	0.80
10	1-1/4	50	10.8	1.10
12	1-1/2	74	14.8	1.51
14	1-3/4	99	19.8	2.02
16	2	125	25.0	2.55
18	2-1/4	160	32.0	3.27
20	2-1/2	200	40.0	4.08
22	2-3/4	240	48.0	4.90
24	3	290	58.0	5.92

WINCH LINE

Winch Line is made from a special 100% Ultra High Molecular Weight Polyethylene (UHMW-PE). It's has low elongation, low weight, high strength, good ageing resistance, this product is instead of wire rope. All of our winch line include a length 10' protective sleeve; stainless steel thimble and safety hook with connector link.

Winch line		Weight	Breaking Strength	
Dia(mm)	Cir(inch)	Ktex(G)	KN	KGF
	/	1	1	
	1		7	
1	1-1/		1	
1	1-1/		1	1
1	1- /	11	177	1 1
1		1	7	11
1	-1/	1		
	-1/	7		

VINYLON ROPE

Winch line		Weight	Breaking Strength
Dia(mm)	Cir(inch)	Meter Weight (Kg)	KN
8	1	0.036	6.86
9	1-1/8	0.048	8.83
10	1-1/4	0.058	11.80
12	1-1/2	0.078	14.70
14	1-3/4	0.108	21.60
16	2	0.145	25.50
18	2-1/4	0.180	32.40
20	2-1/2	0.238	37.30
22	2-3/4	0.290	47.1
24	3	0.345	54.90
26	3-1/4	0.399	62.80
28	3-1/2	0.467	72.60
30	3-3/4	0.533	80.40
32	4	0.611	93.20

Made from a compound of vinylon chloride and vinylidene from lime stone, spun into cotton like soft thread and stranded into rope, vinylon rope is flexible and easy-to-use. Has excellent weather-resistance and durability. Although its strength is 40% weaker than 3-strand nylon rope, this rope has a good supple texture, is friction resistant, does not twist easily and easy to handle rope.

FEATURES

- High tensile strength and good elasticity
- Good abrasion resistance
- Good resistance to chemicals and corrosion
- Excellent shock absorption

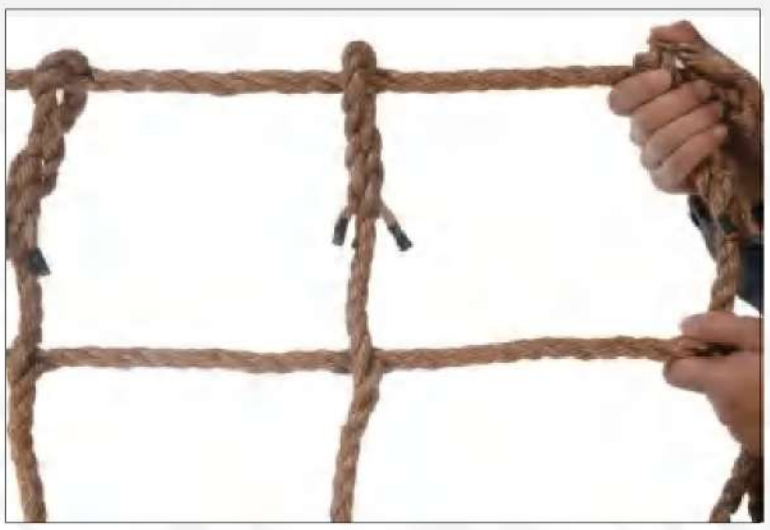
MARINE ROPES

OTHERS ITEMS

HELICOPTER PLATFORM NON-SLIP NET

Helicopter platform non-slip net, also called aircraft landing net, anti-skid net: Material is generally used Manila rope, sisal rope, nylon rope and other materials. The size of the net is generally 6M×6M, 10Mx10M, 12x12M, 15MX1 5M.

The size of the mesh is 20CMx20CM, which just fits the wheels of the aircraft and prevents the aircraft from being blown by the wind.



MARINE BALL

CLIMBING ROPE

BUOYANT LIFE ROPE

MANILA ROPE

DOCK LINE

COTTON ROPE

HEAVING LINE

MAN ROPE

ROPE LADDER

MARINE ROPES

OUR GLOBAL SUPPLY PRESENCE

AMERICA AND THE CARIBBEAN

- USA (Houston and New Orleans)
- Panama
- Colombia
- Chile

ASIA

- Singapore
- China
- UAE
- Korea

EUROPE

- Spain
- The Netherlands

AFRICA

- Cape Town

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