

8-STRAND AND 12-STRAND UHMWPE MOORING ROPE

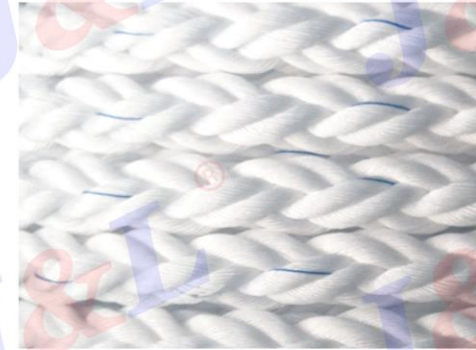
- Product: UHMWPE mooring rope of eight-strand and twelve-strand are produced after resin treatment of the yarn with the international advanced technique. Protection sleeve can be added according to customer's requirements, which can improve the wear-resistant capacity. As to the strength, it is higher than the steel wire rope with the same diameter, but the weight is only 15% of the wire rope. Low elongation at 3.5-4.5%. Density is 0.97g/cm³, which can make sure it can float on the water. Soft, UV-resistant, good bending and anti-fatigue capacity, fatigue resistance strength is 1000 times of that of steel wire rope and Nylon rope.
- Application field: mooring, anchoring, lifting sling, towage, military industry, ocean oil, and ocean transportation, etc.



Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					Non-braided (KN)	Rope with eye (KN)
20	2-1/2	232	±5	46.4	380	340
22	2-3/4	281	±5	56.2	450	400
24	3	331	±5	66.2	520	470
26	3-1/4	384	±5	76.8	600	540
28	3-1/2	445	±5	89	680	610
30	3-3/4	506	±5	101.2	770	690
32	4	575	±5	115	870	780
34	4-1/4	648	±5	129.6	960	860
36	4-1/2	720	±5	144	1040	940
38	4-3/4	798	±5	159.6	1160	1040
40	5	881	±5	176.2	1260	1130
44	5-1/2	1060	±5	212	1460	1310
48	6	1250	±5	250	1700	1530
52	6-1/2	1460	±5	292	1970	1770
56	7	1690	±5	338	2260	2030
60	7-1/2	1930	±5	386	2530	2280
64	8	2200	±5	440	2840	2560
68	8-1/2	2480	±5	496	3170	2850
72	9	2780	±5	556	3520	3170
76	9-1/2	3090	±5	618	3890	3500
80	10	3430	±5	686	4300	3870
88	11	4170	±5	834	5200	4680
96	12	4970	±5	994	6180	5560
104	13	5800	±5	1160	7180	6470
112	14	6730	±5	1346	8280	7460
120	15	7720	±5	1544	9440	8500
128	16	8790	±5	1758	10670	9610
136	17	9920	±5	1984	11930	10750
140	17-1/2	10510	±5	2102	12560	11320

8-STRAND AND 12-STRAND MONOFILAMENT POLYPROPYLENE (PP) MOORING ROPE

- Product: Breaking load capacity can meet the high grade requirements of ISO1346-2012. Light density, good floatability, nonabsorbent, wear-resistant, chemical corrosion resistant, good electrical insulating property, good antimicrobial property, will never go mouldy and infested, excellent quality and reasonable price.
- Application field: mainly used for vessel mooring, towage, fishing and mariculture etc.



Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					(kN)	(Ton)
20	2-1/2	180	±5	36	64	6.53
24	3	260	±5	52	89.6	9.14
28	3-1/2	355	±5	71	119	12.14
32	4	463	±5	92.6	154	15.70
36	4-1/2	586	±5	117.2	191	19.48
40	5	723	±5	144.6	233	23.76
44	5-1/2	875	±5	176	278	28.35
48	6	1040	±5	209.8	327	33.35
52	6-1/2	1220	±5	244	379	38.65
56	7	1420	±5	284	436	44.47
60	7-1/2	1630	±5	326	495	50.49
64	8	1850	±5	370	558	56.92
72	9	2340	±5	468	692	70.58
80	10	2900	±5	580	850	86.7
88	11	3510	±5	702	1010	103.02
96	12	4170	±5	834	1190	121.38
104	13	4890	±5	978	1380	140.76
112	14	5670	±5	1134	1580	161.16
120	15	6500	±5	1300	1800	183.6
128	16	7400	±5	1480	2040	208.69
136	17	8400	±5	1680	2290	233.58
140	17-1/2	8890	±5	1778	2405	245.30

8-STRAND AND 12-STRAND MULTIFILAMENT POLYPROPYLENE (PP) MOORING ROPE

- Product: technical properties can meet the requirements of international standard ISO1346-2012, high strength, reasonable price, high performance cost ratio. Multifilament polypropylene yarn is Carbon chain polymer compounds, with High stability of acid, alkali and antioxidant, is of high chemical resistance capacity, density is 0.90-0.92g/cm³. It is the lightest fiber, with high floatability, soft character, smooth hand feeling, is very easy to operate. Good electrical insulating property, good antimicrobial property, will never go mouldy and infested.
- Application field: shipbuilding, ocean transportation, fishing, port operation, etc.



Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					(kN)	(Ton)
20	2-1/2	180	±5	36	56.9	5.81
24	3	260	±5	52	79.7	8.73
28	3-1/2	355	±5	71	104.9	10.70
32	4	460	±5	92	132.3	13.5
36	4-1/2	585	±5	117	165.9	16.93
40	5	720	±5	144	201.0	20.51
44	5-1/2	880	±5	176	241.5	24.64
48	6	1049	±5	209.8	280.4	28.61
52	6-1/2	1220	±5	244	324.5	33.11
56	7	1420	±5	284	371.0	37.86
60	7-1/2	1630	±5	326	424.2	43.29
64	8	1850	±5	370	480.0	48.98
72	9	2340	±5	468	602.7	61.50
80	10	2900	±5	580	741.30	75.64
88	11	3510	±5	702	889.5	90.77
96	12	4170	±5	834	1050.0	107.14
104	13	4900	±5	980	1204.4	122.90
112	14	5700	±5	1140	1390.0	141.84
120	15	6500	±5	1300	1596.0	162.86
128	16	7400	±5	1480	1801.8	183.86
136	17	8400	±5	1680	2028.6	207.0
140	17-1/2	8890	±5	1778	2144.5	218.83

8-STRAND AND 12-STRAND POLYESTER MOORING ROPE

- Product: made with high grade multifilament polyester. Wear resistance ability rank only second to Chinlon, but far higher than other fibers. With stable chemical properties, high acid resistant ability, good anti-stretch capacity, good stiffness, aging resistant, UV-resistant, good heat-resistant capacity, anti-fungal, nonabsorbent, hard to be deformed. Soft and smooth, high strength, long lifetime.
- Application filed: Mainly used in vessel mooring, ocean transportation, port operation, military industry and mining pulling, etc.



Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					(kN)	(Ton)
20	2-1/2	303	±5	60.6	62.3	6.36
24	3	437	±5	87.4	89.6	9.14
28	3-1/2	594	±5	118.8	120.0	12.24
32	4	778	±5	155.6	154.0	15.71
36	4-1/2	982	±5	196.4	190.0	19.39
40	5	1215	±5	243	235.0	23.98
44	5-1/2	1468	±5	293.6	279.0	28.47
48	6	1750	±5	350	329.0	33.57
52	6-1/2	2050	±5	410	384.0	39.18
56	7	2380	±5	476	439.0	44.80
60	7-1/2	2730	±5	546	489.0	49.90
64	8	3110	±5	622	568.0	57.96
72	9	3930	±5	786	707.0	72.14
80	10	4850	±5	970	867.0	88.47
88	11	5870	±5	1174	1040.0	106.12
96	12	6990	±5	1398	1230.0	125.51
104	13	8200	±5	1640	1420.0	144.90
112	14	9500	±5	1900	1620.0	165.31
120	15	10900	±5	2180	1856.0	189.39
128	16	12400	±5	2480	2130.0	217.35
136	17	14000	±5	2800	2390.0	243.88
140	17-1/2	15649	±5	3129.8	2523.0	257.45

8-STRAND AND 12-STRAND POLYAMIDE (NYLON) MOORING ROPE

- Product: Polyamide's commodity name is called Chinlon, also called Nylon. Polyamide mooring rope is mainly made by Nylon #66. Polyamide multifilament density is 1.12-1.14g/cm³, with high strength, good wear-resisting capacity, high alkali resistance performance, high resilience foam, when 3% elongation, spring back rate is 100%.
- Application field: Widely used in large ships, warships, towage, oil exploration, fisheries, mining, etc.



Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					(kN)	(Ton)
20	2-1/2	245	±5	49	81.40	8.31
24	3	355	±5	71	118.00	12.04
28	3-1/2	485	±5	97	155.00	15.82
32	4	630	±5	126	196.00	20
36	4-1/2	800	±5	160	244.00	24.90
40	5	990	±5	198	294.00	30
44	5-1/2	1200	±5	240	351.00	35.82
48	6	1420	±5	284	412.00	42.04
52	6-1/2	1660	±5	332	479.00	48.88
56	7	1930	±5	386	549.00	56.02
60	7-1/2	2210	±5	442	626.00	63.88
64	8	2520	±5	504	706.00	72.04
72	9	3190	±5	638	882.00	90
80	10	3940	±5	788	1078.00	110
88	11	4770	±5	954	1284.00	131.02
96	12	5680	±5	1136	1510.00	154.08
104	13	6660	±5	1332	1785.00	182.14
112	14	7720	±5	1544	2060.00	210.20
120	15	8870	±5	1774	2354.00	240.20
128	16	10100	±5	2020	2650.00	270.41
136	17	11400	±5	2280	2980.00	304.08
140	17-1/2	12758	±5	2551.6	3310.00	337.76

8-STRAND AND 12-STRAND DOUBLE FIBER BRAIDED MOORING ROPE OF POLYESTER AND POLYPROPYLENE



- Product: It is made of the mixture of polyester and polypropylene fiber producing technology. The rope strand is made of the two fibers, outside layer is covered with polyester fiber to gain the prominent wear-resisting effect. The strength is higher than polypropylene and polyester mooring rope. Compared with Nylon rope, It is of light weight, can float on the water, low elongation, good wear resistant capacity, soft, easy to operate, UV resistant, long lifetime, etc.
- Application field: Mainly used in vessel mooring, towage, oil exploration and traction, etc.

Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					(kN)	(Ton)
30	3-3/4	510	±5	102	140	14.29
35	4-3/8	693	±5	138.6	220	22.45
40	5	905	±5	181	246	25.10
45	5-5/8	1145	±5	229	308	31.43
50	6-1/4	1415	±5	283	376	38.37
55	6-7/8	1710	±5	342	451	46.02
60	7-1/2	2036	±5	407.2	532	54.29
65	8-1/8	2385	±5	477	619	63.16
70	8-3/4	2770	±5	554	713	72.76
75	9-3/8	3180	±5	636	813	82.96
80	10	3615	±5	723	919	93.78
85	10-5/8	4080	±5	816	1030	105.10
90	11-1/4	4575	±5	915	1150	117.35
95	11-7/8	5100	±5	1020	1270	129.59
100	12-1/2	5650	±5	1130	1400	142.86
110	13-3/4	6850	±5	1370	1680	171.43
120	15	8400	±5	1680	1990	203.06

8-STRAND AND 12-STRAND ARAMID FIBER MOORING ROPE



- Product: Aramid fiber mooring rope is made by the high tension, high modulus, high performance, high temperature resistance fiber, which is mainly Aromatic copolymer acyl ammonium fiber. Can add protective sleeve on the rope body according to customer requirements, to increase the wear resistance capacity. Products is of high breaking strength, good heat resistance capacity, will not fuse under high temperature. Good fire resistant capacity, which can self-extinguish. Acid and alkali resistance, ageing resistance and radiation resistance, etc.
- Application field: Mainly used in the field of high temperature, chemical, fire fighting. Mooring rope for chemical tanker and oil tanker. Paratroopers cable, the national defense scientific research, power engineering and other situation of low or high temperature, etc.

Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					(kN)	(Ton)
32	4	840	±5	168	517	52.73
36	4-1/2	1050	±5	210	650	66.3
40	5	1305	±5	261	803	81.90
44	5-1/2	1575	±5	315	979	99.85
48	6	1880	±5	376	1140	146.88
56	7	2560	±5	512	1561	159.22
64	8	3350	±5	670	2050	209.10
72	9	4245	±5	849	2640	269.28
80	10	5233	±5	1046	3190	325.38
88	11	6335	±5	1267	3796	387.19
96	12	7550	±5	1510	4420	450.84
110	13-3/4	9350	±5	1870	5560	567.12

8-STRAND AND 12-STRAND DOUBLE FIBER BRAIDED MOORING ROPE OF POLYESTER AND POLYOLEFIN.

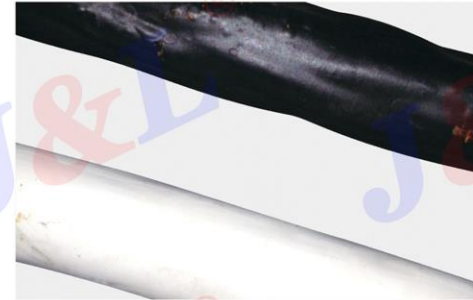
- Product: It is made of the mixture of polyester and polyolefin fiber with special producing technology. The rope outside layer is covered with polyester fiber, the rope yam should make up at least 40% of the total weight(to improve the wear-resistant capacity), inside is made up of 100% high strength polyolefin fiber. Advantages: high strength, light density, can float on the water, corrosion-resistant, seawater resistant, soft, nonabsorbent, UV resistant, good wear resistant capacity and long lifetime, etc.
- Application field: shipbuilding, ocean transportation, national defence scientific research, port operation, anchoring and towage, etc.



Diameter (mm)	Circumference Cir (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					(KN)	(Ton)
44	5-1/2	939	±5	188	277	28.25
48	6	1110	±5	222	328	33.45
52	6-1/2	1320	±5	264	382	38.96
56	7	1520	±5	304	440	44.88
60	7-1/2	1750	±5	350	502	51.20
64	8	1990	±5	398	568	57.94
72	9	2520	±5	504	710	72.42
80	10	3110	±5	622	867	88.43
88	11	3750	±5	750	1040	106.08
96	12	4470	±5	894	1230	125.46
104	13	5260	±5	1052	1430	145.86
112	14	6050	±5	1210	1660	169.32
120	15	6980	±5	1396	1890	192.78
128	16	7950	±5	1590	2130	217.26
136	17	8950	±5	1790	2390	243.78
140	17-1/2	9525	±5	1905	2530	258.16

HIGH STRENGTH WEAR RESISTANT 12-STRAND MOORING ROPE

- Product: This product is independent innovation of our company, which is made of special producing technology. Inside with load bearing core rope, and with protection cover, the surface is produced after resin treatment. The appearance looks like cable, double protection can make sure the safety of the core rope, high wear resistant capacity, and long lifetime. It has been qualified by the authority department. With below properties: UV resistant, oxidation resistant, bend resistant and fatigue resistant. The rope is water-proof and chemical-proof, breaking load is the same as steel wire rope, but weight is only 1/8 of it. Elongation is 3-3.5%, acid resistant, alkali resistant, anti-flaming and high weather ability.
- Application field: Military industry, ship winch, special situation and mining mechanical traction, etc.



Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					Non-braided (KN)	Rope with eye (KN)
20	2-1/2	232	±5	46.4	380	340
22	2-3/4	281	±5	56.2	450	400
24	3	331	±5	66.2	520	470
26	3-1/4	384	±5	76.8	600	540
28	3-1/2	445	±5	89	680	610
30	3-3/4	506	±5	101.2	770	690
32	4	575	±5	115	870	780
34	4-1/4	648	±5	129.6	960	860
36	4-1/2	720	±5	144	1040	940
38	4-3/4	798	±5	159.6	1160	1040
40	5	881	±5	176.2	1260	1130
44	5-1/2	1060	±5	212	1460	1310
48	6	1250	±5	250	1700	1530
52	6-1/2	1460	±5	292	1970	1770
56	7	1690	±5	338	2260	2030
60	7-1/2	1930	±5	386	2530	2280
64	8	2200	±5	440	2840	2560
68	8-1/2	2480	±5	496	3170	2850
72	9	2780	±5	556	3520	3170
76	9-1/2	3090	±5	618	3890	3500
80	10	3430	±5	686	4300	3870
88	11	4170	±5	834	5200	4680
96	12	4970	±5	994	6180	5560
104	13	5800	±5	1160	7180	6470
112	14	6730	±5	1346	8280	7460
120	15	7720	±5	1544	9440	8500
128	16	8790	±5	1758	10670	9610
136	17	9920	±5	1984	11930	10750
140	17-1/2	10510	±5	2102	12560	11320

3-STRAND UHMWPE MOORING ROPE

- Product: UHMWPE mooring rope of 3-strand is produced after resin treatment of the yarn with the international advanced technique, which improves the wear-resistant capacity. As to the strength, it is higher than the steel wire rope with the same diameter, but the weight is only 15% of the wire rope. Low elongation at 3.5-4.5%. Density is 0.97g/cm³, which can make sure it can float on the water. Soft, UV-resistant, good bending and anti-fatigue capacity, fatigue resistance strength is 1000 times of that of steel wire rope and Nylon rope.
- Application field: mooring, anchoring, lifting sling, towage, military industry, ocean oil, and ocean transportation, etc.



Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					Non-braided (KN)	Rope with eye (KN)
6	3/4	23	±10	4.6	36.7	33
8	1	40	±10	8	65.5	58.7
10	1-1/4	61	±8	12.2	102	92
12	1-1/2	87	±8	17.4	147	132
14	1-3/4	117	±8	23.4	200	180
16	2	151	±5	30.2	260	235
18	2-1/4	190	±5	38	310	283
20	2-1/2	232	±5	46.4	380	340
22	2-3/4	281	±5	56.2	450	400
24	3	331	±5	66.2	520	470
26	3-1/4	384	±5	76.8	600	540
28	3-1/2	445	±5	89	680	610
30	3-3/4	506	±5	101.2	770	690
32	4	575	±5	115	870	780
34	4-1/4	648	±5	129.6	960	860
36	4-1/2	720	±5	144	1040	940
38	4-3/4	798	±5	159.6	1160	1040
40	5	881	±5	176.2	1260	1130
44	5-1/2	1060	±5	212	1460	1310
48	6	1250	±5	250	1700	1530
52	6-1/2	1460	±5	292	1970	1770
56	7	1690	±5	338	2260	2030
60	7-1/2	1930	±5	386	2530	2280

3-STRAND MONOFILAMENT POLYPROPYLENE (PP) MOORING ROPE

- Product: Breaking load capacity can meet the high grade requirements of ISO1346-2012. Light density, good floatability, nonabsorbent, wear-resistant, chemical corrosion resistant, good electrical insulating property, good antimicrobial property, will never go mouldy and infested, excellent quality and reasonable price.
- Application field: mainly used for vessel mooring, towage, fishing and mariculture etc.



Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					(KN)	(Ton)
4	1/2	6	±10	1.2	3.19	0.22
6	3/4	17	±10	3.4	5.92	0.65
8	1	30	±10	6	11.6	1.27
10	1-1/4	45	±8	9	17.54	1.79
12	1-1/2	65	±8	13	24.7	2.52
14	1-3/4	90	±8	18	32.9	3.36
16	2	115	±5	23	42.1	4.26
18	2-1/4	148	±5	29.6	51.5	5.26
20	2-1/2	180	±5	36	64	6.30
22	2-3/4	220	±5	44	76	7.70
24	3	260	±5	52	89.6	9.10
26	3-1/4	305	±5	61	104	10.50
28	3-1/2	355	±5	71	119	11.90
30	3-3/4	405	±5	81	136	13.10
32	4	460	±5	92	154	14.80
36	4-1/2	585	±5	117	191	18.60
40	5	720	±5	144	233	22.20
45	5-1/2	918	±5	183.6	278	27.80
48	6	1040	±5	208	327	31.10
52	6-1/2	1220	±5	244	379	36.20
56	7	1420	±5	284	438	39.90
60	7-1/2	1630	±5	326	496	47

3-STRAND MULTIFILAMENT POLYPROPYLENE (PP) ROPE

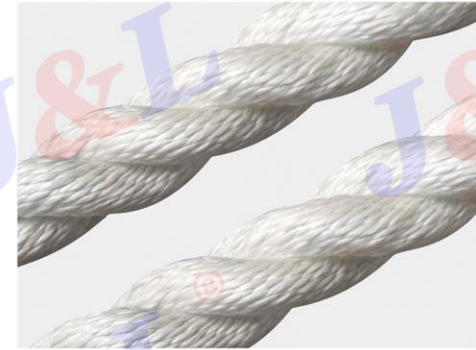
- Product: technical properties can meet the requirements of international standard ISO1346-2012, high strength, reasonable price, high performance cost ratio. Multifilament polypropylene yarn is carbon chain polymer compounds, with High stability of acid, alkali and antioxidant, is of high chemical resistance capacity, density is 0.90-0.92g/cn3. It is the lightest fiber, with high floatability, soft character, smooth hand feeling, very easy to operate. Good electrical insulating property, good antimicrobial property, will never go mouldy and infested.
- Application field: shipbuilding, ocean transportation, fishing, port operation, etc.



Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					(KN)	(Ton)
4	1/2	6	±10	1.2	2.1	0.21
6	3/4	17	±10	3.4	5.9	0.60
8	1	30	±10	6	10.4	1.06
10	1-1/4	45	±8	9	15.3	1.56
12	1-1/2	65	±8	13	21.7	2.21
14	1-3/4	90	±8	18	29.9	3.05
16	2	115	±5	23	37.0	3.78
18	2-1/4	148	±5	29.6	47.2	4.82
20	2-1/2	180	±5	36	56.9	5.81
22	2-3/4	220	±5	44	68.2	6.96
24	3	260	±5	52	79.7	8.13
26	3-1/4	305	±5	61	92.2	9.41
28	3-1/2	355	±5	71	104.9	10.70
30	3-3/4	405	±5	81	119.8	12.22
32	4	460	±5	92	132.3	13.50
36	4-1/2	585	±5	117	16590	16.93
40	5	720	±5	144	20100	20.51
44	5-1/2	880	±5	176	24150	24.64
48	6	1040	±5	208	28040	28.61
52	6-1/2	1220	±5	244	32450	33.11
56	7	1420	±5	284	37100	37.86
60	7-1/2	1630	±5	326	42420	43.29

3-STRAND MULTIFILAMENT POLYESTER (TERYLENE) ROPE

- Product: it is made of high grade multifilament polyester. Abrasive resistance ability rank only second to Chinlon, but far higher than other fibers. With stable chemical properties, high acid resistant ability, good anti-stretch capacity, good stiffness, aging resistant, high strength, reasonable price, high performance cost ratio. Multifilament polypropylene yarn is carbon chain polymer compounds, with High stability of acid, alkali and antioxidant, is of high chemical resistance capacity, UV-resistant, good heat-resistant capacity, anti-fungal, nonabsorbent, hard to be deformed. Soft and smooth, high strength, long lifetime.
- Application field: mooring of the vessel, ocean transportation, port operation, military industry and mining pulling.



Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					(KN)	(Ton)
4	1/2	11.8	±10	2.36	2.90	0.30
6	3/4	27	±10	5.4	5.54	0.57
8	1	48	±10	9.6	10.00	1.02
10	1-1/4	76	±8	15.2	15.60	1.59
12	1-1/2	110	±8	22	22.30	2.28
14	1-3/4	148	±8	29.6	31.20	3.18
16	2	195	±5	39	39.80	4.06
18	2-1/4	245	±5	49	49.80	5.08
20	2-1/2	303	±5	60.6	62.30	6.36
22	2-3/4	367	±5	73.4	74.70	7.62
24	3	437	±5	87.4	89.60	9.14
26	3-1/4	512	±5	102.4	105.00	10.71
28	3-1/2	594	±5	118.8	120.00	12.24
30	3-3/4	682	±5	136.4	134.00	13.67
32	4	778	±5	155.6	154.00	15.71
36	4-1/2	982	±5	196.4	190.00	19.39
40	5	1215	±5	243	235.00	23.98
44	5-1/2	1468	±5	293.6	279.00	28.47
48	6	1750	±5	350	329.00	33.57
52	6-1/2	2050	±5	410	384.00	39.18
56	7	2380	±5	476	439.00	44.80
60	7-1/2	2730	±5	546	489.00	49.90

3-STRAND POLYAMIDE (NYLON) MOORING ROPE

- Product: Polyamide commodity called Chinlon, also called Nylon. Polyamide mooring rope is mainly made by Nylon #66. Polyamide multifilament density is 1.12-1.14g/cm³, Polyamide mooring rope with high strength, good wear-resisting capacity, high alkali resistance performance, high resilience foam, when 3% elongation, spring back rate is 100%.
- Application field: Widely used in large ships, warships, towing, oil exploration, fisheries, mining, etc.



Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					(KN)	(Ton)
4	1/2	10.5	±10	2.1	3.15	0.32
6	3/4	22.5	±10	4.5	7.35	0.75
8	1	40	±10	8	13.20	1.35
10	1-1/4	62	±8	12.4	20.40	2.08
12	1-1/2	89	±8	17.8	29.40	3
14	1-3/4	122	±8	24.4	40.20	4.10
16	2	158	±5	31.6	52.00	5.31
18	2-1/4	200	±5	40	65.70	6.70
20	2-1/2	245	±5	49	81.40	8.31
22	2-3/4	300	±5	60	98.00	10
24	3	355	±5	71	118.00	12.04
26	3-1/4	420	±5	84	137.00	13.98
28	3-1/2	485	±5	97	155.00	15.82
30	3-3/4	555	±5	111	174.00	17.76
32	4	630	±5	126	196.00	20
36	4-1/2	800	±5	160	244.00	24.90
40	5	990	±5	198	294.00	30
44	5-1/2	1200	±5	240	351.00	35.82
48	6	1420	±5	284	412.00	42.04
52	6-1/2	1660	±5	332	479.00	48.88
56	7	1930	±5	386	549.00	56.02
60	7-1/2	2210	±5	442	626.00	63.88

3-STRAND MONOFILAMENT POLYETHYLENE ROPE

- Product: The rope is made of Monofilament polyethylene. Light density, good floatability, chemical corrosion resistant, nonabsorbent, good electrical insulating property, excellent quality and reasonable price.
- Application field: Mainly used in Ship mooring, Marine fishing, and Mariculture, etc.

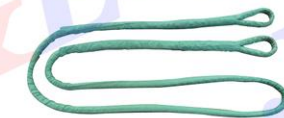


Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					(kN)	(Ton)
4	1/2	8.1	±10	1.62	1.96	0.2
6	3/4	18.2	±10	3.64	3.92	0.4
8	1	32.7	±10	6.54	6.86	0.7
10	1-1/4	49	±8	9.8	10.7	1.1
12	1-1/2	72	±8	14.4	15.1	1.54
14	1-3/4	95	±8	19	20.5	2.09
16	2	128	±5	25.6	27.5	2.81
18	2-1/4	161	±5	32.2	34	3.47
20	2-1/2	200	±5	40	41.9	4.28
22	2-3/4	243	±5	48.6	49.8	5.08
24	3	295	±5	59	59.8	6.1
26	3-1/4	328	±5	65.6	68	6.94
28	3-1/2	393	±5	78.6	80.5	8.21
30	3-3/4	460	±5	92	93	9.49
32	4	525	±5	105	105	10.7
36	4-1/2	660	±5	132	132	13.47
40	5	785	±5	157	160	16.33
44	5-1/2	950	±5	190	192.5	19.64
48	6	1150	±5	230	224	22.86
52	6-1/2	1350	±5	270	259	26.43
56	7	1570	±5	314	298	30.41
60	7-1/2	1800	±5	360	338	34.49

SPECIAL SLINGS FOR WEAPONS

- Inner core is the imported ultra-high molecular weight polyethylene(UHMWPE) fiber.
- Protection sheath produced by special Kevlar fibers, the abrasion resistance of KEVLAR is ten times stronger than polyester sheath, and heat resistant, fireproofing, high temperature environment at 200°C can be used normally. With soft and anti-fatigue properties, when at 50% of breaking strength, the flexible tensile traction rope can be used around 10,000 times, it is 1000 times of steel cable's.
- The same tensile strength and elongation with the same diameter of steel cable, weight per meter is only 15% of steel cable's, specific gravity is 0.97 and can be floating in water.
- At low temperature -125 °C environment, can still maintain the original strength.

Art.No.	Traction force (KN)	Effective length (m)
RHK20	200	4
RHK50	500	4



Executive standard Q/JL 026-2009

Patent Number. ZL 2006 2 0019175.8



MARITIME DOUBLE BRAIDED MOORING ROPE

POLYPROPYLENE (PP) DOUBLE BRAIDED MOORING ROPE

- Product: We apply advanced international technology. Inside is core rope, outside layer is braided sleeve, to protect the inside core rope. The surface is round and smooth, soft and beautiful, which has improved the rope comprehensive performance. According to the material, it is divided into multifilament polyamide, multifilament polypropylene, multifilament polyester, multifilament polyester/polypropylene. Character: wear resistant, seawater resistant, chemical resistant, aging resistant, high temperature resistant, elongation is lower than normal rope, easy to be operated, etc.
- Application: Mainly use in Ocean transportation, Shipbuilding, Oil exploration, National defence military industry, port operation, and Ocean engineering, etc.



Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					(kN)	(Ton)
40	5	864	±5	172.8	230	23.47
42	5-1/4	910	±5	182	249	25.41
45	5-5/8	1050	±5	210	291	29.69
50	6-1/4	1320	±5	264	350	35.71
55	6-7/8	1590	±5	318	420	42.86
60	7-1/2	1865	±5	373	498	50.82
65	8-1/8	2180	±5	436	580	59.18
70	8-3/4	2545	±5	509	671	68.47
75	9-3/8	2910	±5	582	750	76.53
80	10	3318	±5	663.6	850	86.73
85	10-5/8	3725	±5	745	950	96.94
90	11-1/4	4225	±5	845	1070	109.18
95	11-7/8	4640	±5	928	1170	119.39
100	12-1/2	5180	±5	1036	1301	132.76
104	13	6560	±5	1130	1390	141.84
112	14	6559	±5	1311.8	1592	162.45
120	15	7532	±5	1506.4	1814	185.10

POLYAMIDE(NYLON) DOUBLE BRAIDED MOORING ROPE

Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					(kN)	(Ton)
40	5	1101	±5	220.2	356.8	36.41
44	5-1/2	1326	±5	265.2	416.6	42.51
48	6	1578	±5	315.6	508.2	51.86
52	6-1/2	1848	±5	369.6	592.4	60.45
56	7	2143	±5	428.6	661.2	67.47
60	7-1/2	2460	±5	492	762.3	77.79
64	8	2798	±5	559.6	865.4	88.31
72	9	3542	±5	708.4	1114	113.67
80	10	4375	±5	875	1295	132.14
88	11	5298	±5	1059.6	1524	157.35
96	12	6295	±5	1259	1791	182.76
104	13	7375	±5	1475	2084	212.65
112	14	8556	±5	1711.2	2416	246.53
120	15	9822	±5	1964.4	2755	281.12

POLYESTER(TERYLENE) DOUBLE BRAIDED MOORING ROPE

Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					(kN)	(Ton)
40	5	1278	±5	255.6	345.5	35.26
44	5-1/2	1550	±5	310	402.2	41.04
48	6	1845	±5	369	473.2	48.29
52	6-1/2	2220	±5	444	545.4	55.65
56	7	2575	±5	515	643.8	65.69
60	7-1/2	2962	±5	592.4	722.1	73.68
64	8	3348	±5	669.6	815.4	83.20
72	9	4465	±5	893	1051.6	107.31
80	10	5581	±5	1116.2	1265.5	129.13
88	11	6697	±5	1339.4	1511.7	158.34
96	12	7813	±5	1562.6	1760.1	179.60
104	13	9130	±5	1826	2024.6	206.59
112	14	10500	±5	2100	2345.7	239.36
120	15	12100	±5	2420	2668.6	272.31

POLYESTER / POLYAMIDE MIXED DOUBLE BRAIDED MOORING ROPE

Diameter (mm)	Circumference (INCH)	Linear density (Ktex)	Deviation (%)	Theoretical weight (Kg/200M)	Min. Breaking load	
					(kN)	(Ton)
40	5	901	±5	180.2	265	27.04
42	5-1/4	998	±5	199.6	295	30.10
45	5-5/8	1145	±5	229	338	34.50
50	6-1/4	1410	±5	282	410	41.84
55	6-7/8	1710	±5	342	495	50.51
60	7-1/2	2035	±5	407	585	59.69
65	8-1/8	2386	±5	477.2	687	70.10
70	8-3/4	2770	±5	554	800	81.63
75	9-3/8	3180	±5	636	917	93.57
80	10	3610	±5	722	1036	105.71
85	10-5/8	4085	±5	817	1170	119.39
90	11-1/4	4580	±5	916	1315	134.18
95	11-7/8	5100	±5	1020	1470	150
100	12-1/2	5660	±5	1132	1629	166.22
110	13-3/4	6760	±5	1352	2032.13	207.36
120	15	7880	±5	1576	2346.51	239.44

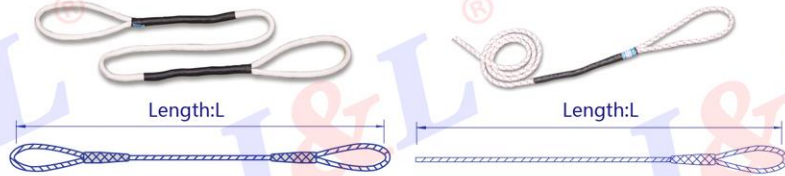
HIGH PERFORMANCE TRACTION ROPE

- Product: The inside core rope is made of high tension multifilament polyester yarn or UHMWPE, the outside is covered by polyester protection sleeve. The advantages: light, soft, high safety factor, long lifetime, non-conducting and good corrosion resistance capacity, etc.
- Application: Mainly used in power installation, transportation, navigation, water sports ,and aviation ,etc.

TYPE DLP01 TYPE DLP02

DLP traction rope's material is polyester.

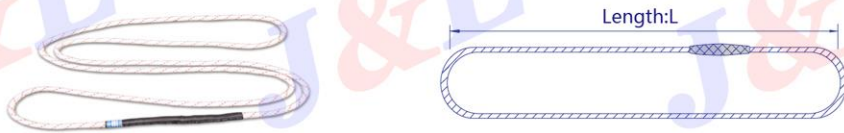
Patent Number ZL 2005 20023290.8



Product model	Breaking Strength (kg)	Approx Diameter (mm)	Min. Length (m)	Max. Length (m)	Eye Length (mm)	Weight /M (kg/m)
DLP01-1.2	1200	9	1.5	1000	250	0.06
DLP01-1.5	1500	10	1.5	1000	250	0.08
DLP01-2	2000	11	1.5	1000	250	0.09
DLP01-3	3000	13	2.0	1000	300	0.13
DLP01-4	4000	14	2.0	1000	300	0.14
DLP01-5	5000	15	2.0	1000	300	0.15
DLP01-6	6000	16	2.0	1000	300	0.16
DLP01-8	8000	17	2.5	1000	350	0.18
DLP01-10	10000	19	2.5	1000	350	0.23
DLP01-12	12000	21	2.5	1000	450	0.26
DLP01-15	15000	23	2.5	1000	450	0.38

TYPE DLP03

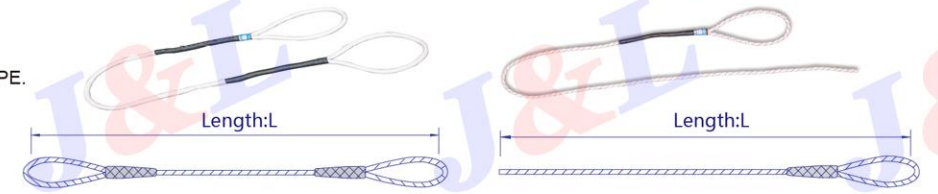
DLP Traction rope's material is Polyester.



Product model	Breaking Strength (kg)	Approx Diameter (mm)	Min. Length (m)	Max. Length (m)	Weight /M (kg/m)
DLP03-1.2	1200	6	1.5	500	0.05
DLP03-1.5	1500	7	1.5	500	0.06
DLP03-2	2000	8	1.5	500	0.07
DLP03-3	3000	10	2.0	500	0.08
DLP03-4	4000	11	2.0	500	0.10
DLP03-5	5000	12	2.0	500	0.12
DLP03-6	6000	13	2.0	500	0.15
DLP03-8	8000	14	2.5	500	0.22
DLP03-10	10000	15	2.5	500	0.30
DLP03-12	12000	16	2.5	500	0.32
DLP03-15	15000	17	2.5	500	0.50

TYPE DLD01/02

DLP Traction rope's material is UHMWPE.



Product model	Breaking Strength (kg)	Approx Diameter (mm)	Min. Length (m)	Max. Length (m)	Eye Length (mm)	Weight /M (kg/m)
DLD01-1.2	1200	6	2.0	1000	250	0.028
DLD01-1.5	1500	7	2.0	1000	250	0.033
DLD01-2	2000	8	2.0	1000	250	0.048
DLD01-3	3000	10	2.5	1000	300	0.063
DLD01-4	4000	11	2.5	1000	300	0.091
DLD01-5	5000	12	2.5	1000	300	0.108
DLD01-6	6000	13	2.5	1000	300	0.122
DLD01-8	8000	14	3.0	1000	350	0.160
DLD01-10	10000	15	3.0	1000	350	0.180
DLD01-12	12000	16	3.0	1000	450	0.245
DLD01-15	15000	17	3.0	1000	450	0.346
DLD01-20	20000	18	3.0	1000	500	0.385

TYPE DLD03

DLP Traction rope's material is UHMWPE.



Product model	Breaking Strength (kg)	Approx Diameter (mm)	Min. Length (m)	Max. Length (m)	Weight /M (kg/m)
DLD03-2.4	2400	6	2.0	500	0.032
DLD03-3	3000	7	2.0	500	0.038
DLD03-4	4000	8	2.0	500	0.054
DLD03-6	6000	10	2.5	500	0.082
DLD03-8	8000	11	2.5	500	0.121
DLD03-10	10000	12	2.5	500	0.128
DLD03-12	12000	13	2.5	500	0.132
DLD03-16	16000	14	3.0	500	0.170
DLD03-20	20000	15	3.0	500	0.192
DLD03-24	24000	16	3.0	500	0.256
DLD03-30	30000	17	3.0	500	0.354
DLD03-40	40000	18	3.0	500	0.386

WE CAN SPECIALLY PRODUCE THE TRACTION ROPE WITH PVC INSULATION COATING

