

# Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

## MOORING ROPE

# 12 Strand Rope

These products are produced through a special production process, and have advantages of excellent wear resistance, high strength, corrosion resistance, temperature change resistance, and seawater resistance. ...

ISO9001 Supplier

Class Certificate

Export Supply



### Key Highlights

Category	Mooring Rope
Standard	DIN
Material	Polyester,polypropylene,polythylene,nylon etc.
Certificate	BV,CCS,ABS,DNV,LR,NK,RINA, mill certificate etc.

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

### Technical Specifications

Category	Mooring Rope	Model / SKU	12-Strand-Rope
Standard	DIN	Material	Polyester,polypropylene,polythylene,nylon etc.
Certificate	BV,CCS,ABS,DNV,LR,NK,RINA, mill certificate etc.	Warranty	12 Months unless specified otherwise
Origin	China		

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## China 12 Strand Rope:

These products are produced through a special production process, and have advantages of excellent wear resistance, high strength, corrosion resistance, temperature change resistance, and seawater resistance.

It is mainly used in the shipbuilding, ocean transportation, national defense research, marine operations, ports, and oil exploration fields.

## Main Performance:

Material	Polyamide Multifilament	Polyamide yarn	Polypropylene multifilament	Polypropylene	Polyester	Polypropylene and Polyester mixed
Density	1.14 non floating	1.14 non floating	0.91 floating	0.91 floating	1.27 non floating	0.95 floating
Melting point	215°C	215°C	165°C	165°C	260°C	165°C/260°C
Abrasion resistance	Very good	Very good	Medium	Medium	Good	Good
UV resistance	Very good	Very good	Medium	Medium	Good	Good
Temperature resistance	120°C Max	120°C Max	70°C Max	70°C Max	120°C Max	80°C Max
Chemical resistance	Very good	Very good	Good	Good	Good	Good

## Specification:

Chart 1

Specification		Polyamide Multifilament		Polyamide Yarn	
Diameter	Circumference	Linear Density(Ktex)	Breaking Strength(KN)	Linear Density(Ktex)	Breaking Strength(KN)
20	2 1/2"	247	81	247	70
24	3"	355	114	355	101
28	3 1/2"	484	152	484	133
32	4"	632	196	632	169
36	4 1/2"	800	245	800	210
40	5"	987	300	987	253
44	5 1/2"	1190	358	1190	303
48	6"	1420	420	1420	355
52	6 1/2"	1670	489	1670	413
56	7"	1930	561	1930	473
60	7 1/2"	2220	640	2220	539
64	8"	2530	723	2530	608
72	9"	3200	905	3200	759
80	10"	3950	1102	3950	928
88	11"	4780	1326	4780	1106
96	12"	5690	1561	5690	1301
104	13"	6670	1816	6670	1556

112	14"	7740	2091	7740	1775
120	15"	8880	2387	8880	2027
128	16"	10100	2703	10100	2296
136	17"	11400	3040	11400	2584
144	18"	12800	3386	12800	2889
160	20"	15800	4141	15800	3565

Chart 2

Specifications		Polypropylene Multifilament		Polypropylene	
Diameter	Circumference	Linear Density(Ktex)	Breaking Strength(KN)	Linear Density(Ktex)	Breaking Strength(KN)
mm	Inch	Ktex	KN	Ktex	KN
20	2 1/2"	189	64	180	58
24	3"	273	89	260	81
28	3 1/2"	373	118	355	107
32	4"	483	148	460	135
36	4 1/2"	614	186	585	169
40	5"	756	226	720	205
44	5 1/2"	924	271	880	246
48	6"	1092	315	1040	286
52	6 1/2"	1281	364	1220	331
56	7"	1491	416	1420	378
60	7 1/2"	1712	476	1630	433
64	8"	1943	539	1850	490
72	9"	2457	676	2340	615
80	10"	3045	832	2900	756
88	11"	3686	998	3510	907
96	12"	4379	1178	4170	1071
104	13"	5145	1351	4900	1228
112	14"	5985	1560	5700	1418
120	15"	6825	1791	6500	1628
128	16"	7770	2022	7400	1838
136	17"	8820	2276	8400	2069
144	18"	9870	2540	9400	2309

160	20"	12100	3112	11521	2829
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Chart 3

Specifications		Polyester		Polypropylene And Polyester Mixed rope	
Diameter	Circumference	Linear Density(Ktex)	Breaking Strength(KN)	Linear Density(Ktex)	Breaking Strength(KN)
mm	Inch	Ktex	KN	Ktex	KN
20	2 1/2"	303	64	194	70
24	3"	437	91	279	98
28	3 1/2"	594	122	380	133
32	4"	778	157	497	170
36	4 1/2"	982	194	629	214
40	5"	1215	240	776	262
44	5 1/2"	1468	285	939	314
48	6"	1750	336	1110	371
52	6 1/2"	2050	392	1320	432
56	7"	2380	448	1520	499
60	7 1/2"	2730	499	1750	569
64	8"	3110	579	1990	644
72	9"	3930	721	2520	805
80	10"	4850	884	3110	982
88	11"	5870	1061	3750	1183
96	12"	6990	1255	4470	1397
104	13"	8200	1448	5260	1622
112	14"	9500	1652	6050	1877
120	15"	10900	1902	6980	2142
128	16"	12400	2152	7950	2417
136	17"	14000	2448	8950	2713
144	18"	15700	2703	10100	3029
160	20"	19400	3335	12500	3703