

## TECHNICAL SPECIFICATIONS

# RUGGED XII



GENERAL	SECTORS
<ul style="list-style-type: none"> <li>12-Strand Braided Rope Made of HMPE</li> <li>Superior Abrasion Resistance</li> <li>Very High Strength with Low Weight to Diameter Ratio</li> <li>Ease in Handling and Operations</li> <li>Replacements for Steel Wire Ropes</li> </ul>	<ul style="list-style-type: none"> <li>Passenger and Container Ships</li> <li>Bulk Carriers</li> <li>LNG and LPG Carrier Barges</li> <li>Tugs, Harbor Towing and Dredgers</li> <li>Fishing Vessels and Nets</li> <li>Lifting Slings, Static Tow Ropes, and Winch Lines</li> </ul>

TECHNICAL DATA	
Material:	High Molecular Weight Polyethylene
Construction:	12-Strand Braided
Treatment:	Marine Finish
Color of Rope:	Blue or Orange
Approx. Specific Density:	0.98 Floating
Critical Temperature:	150° F
Abrasion Resistance:	Excellent
U.V. Resistance:	Good
Chemical Resistance:	Excellent
Dry & Wet Conditions:	Wet Strength Equals Dry Strength

Diameter (mm)	Diameter (inch)	Circum- ference (inch)	Weight (lbs/100 ft)	Spliced MBL (Lbs)
5	3/16"	9/16"	0.9	6,100
6	1/4"	3/4"	1.5	8,600
8	5/16"	1"	2.3	13,200
9	3/8"	1 1/8"	3.6	18,700
11	7/16"	1 1/4"	4.0	22,600
12	1/2"	1 1/2"	5.6	31,500
14	9/16"	1 3/4"	7.0	38,100
16	5/8"	2"	10.3	51,700
18	3/4"	2 1/4"	13.5	68,500
22	7/8"	2 3/4"	18.5	84,300
24	1"	3"	23.7	105,000
28	1 1/8"	3 1/2"	30.3	137,000
30	1 1/4"	3 3/4"	37.2	157,000
32	1 5/16"	4"	41.1	176,400
36	1 1/2"	4 1/2"	53.8	215,000
40	1 5/8"	5"	62.0	245,000
44	1 3/4"	5 1/2"	72.3	284,300
48	2"	6"	94.9	369,900
52	2 1/8"	6 1/2"	108.9	423,900
56	2 1/4"	7"	121.3	470,100
60	2 1/2"	7 1/2"	147.9	569,400
64	2 5/8"	8"	163.8	630,300
68	2 3/4"	8 1/2"	182.4	698,400
72	3"	9"	215.4	819,000
80	3 1/4"	10"	253.5	961,300
96	4"	12"	383.5	1,435,200

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