

# X21

## Extra Line/Double Braid Mooring Line

The rope is composed of wear resistant polyester rope cover and super strong nylon rope core. The specific double braid construction design makes it have the best strength. The cover of the rope is made of polyester fiber material with excellent wear resistance, combined with special twisting to give full play to the wear resistance. The rope is round and strong, easy to operate and not easy to wind and knot. Compared with UHMWPE and polyester ropes, X21 has greater extensibility, fully absorbs the impact force caused by wave, sand, provides better safety protection for ships.

**ROPERS**  
RELIABLE TO THE CORE



High tenacity polyester cover with a high tenacity nylon core



Excellent abrasion resistance



Flexible



Torque-free



### Technical Information



**1.24**  
SPECIFIC GRAVITY



**Double Braid**  
CONSTRUCTION



**414°F (212°C)**  
MELTING POINT



**300°F (149°C)**  
CRITICAL TEMP



**9.7%**  
ELONGATION  
AT 30% BREAK



**3%-5%**  
WATER  
ABSORPTION



Diameter	Weight	Minimum Breaking Strength	Minimum Strength ISO Unspliced Rope
inch	lbs/100ft	lbs	lbs
7/8	24.9	30,500	33,900
1	29.7	36,000	40,000
1 1/16	34.3	41,800	46,400
1 1/8	40.3	48,400	53,800
1 1/4	46.2	55,200	61,300
1 1/2	66.7	77,900	86,600
1 5/8	82.3	95,100	105,700
1 3/4	104.3	119,100	132,300
2	128.7	145,500	161,700
2 1/4	155.8	174,300	193,700
2 1/2	186.6	205,200	228,000
2 5/8	218.4	238,600	265,100
2 3/4	252.3	271,100	301,200
3 1/8	289.5	310,700	345,200
3 1/4	329.5	350,900	389,900
3 5/8	416.9	445,300	494,800
4	464.6	488,900	543,200
4 1/8	515.8	542,100	602,300

Diameter, weight and MBS are determined in accordance with ISO 2307:2010.  
Custom size and length available by request.



**ROPERS ROPE**



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