

OPTIMA 4S

Durable High Performance Synthetic Fiber Rope

Optima is made of Ultra-High Molecular Weight Polyethylene (UHMWPE) fiber and is the highest strength synthetic fiber rope available made by ROPERS. Comprised of high strength UHMWPE as its core and a UHMWPE overbraided cover for wear resistance, the Optima 4S is an excellent mooring rope.

The Optima4S features a tightly braided structure, with both its cover and core working together to prevent excessive cover slack during mooring operations. Its cover is coated with a special abrasion-resistant material that enhances its wear resistance and effectively shields the load-bearing core from dust and sand particles that can cause fiber-to-fiber wear.

- ▶ Extremely high bending fatigue strength and tensile strength.
- ▶ Double braided construction, minimize sliding between core and cover in design.
- ▶ Coated with polyurethane for added UV and chemical resistance.
- ▶ The surface is smooth and tight to prevent winch line from dirt and sand, greatly increases the longevity.



Light Weight



Cut Resistance



High Strength



Safe Durable



Water Repellent



UV Resistance



Round And Firm

Specification



Diameter		Weight		Minimum Breaking Strength	
inch	mm	lbs/100ft	kg/100m	lbs	kg
3/8	10	4.4	6.5	19,800	9,000
7/16	11	4.9	7.3	24,200	11,000
1/2	12	6.5	9.6	27,500	12,500
9/16	14	7.4	11.0	30,800	14,000
5/8	16	10.1	15.0	40,500	18,400
3/4	18	11.9	17.7	42,500	19,300
13/16	20	14.1	21.0	56,100	25,500
7/8	22	20.2	30.0	71,700	32,600
1	24	24.2	36.0	76,300	34,700
1 1/8	28	32.9	48.9	112,200	51,000
1 1/4	30	36.3	54.0	132,400	60,200
1 5/16	32	43.3	64.4	145,900	66,300
1 3/8	34	49.5	73.6	166,100	75,500
1 1/2	36	59.1	88.0	188,500	85,700
1 5/8	40	68.5	102.0	228,800	104,000
1 3/4	44	85.3	127.0	277,200	126,000
2	48	100.1	149.0	330,000	150,000

▶ Specifications are for spliced strengths
Larger Available By Request

