

# OPTIMA 4S

## Double Braided Winch Line

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 the ultimate synthetic winch line.

Optima4S is a great wire rope alternative, it can be neatly arranged on the winch. The cover with a special coating can further increase wear resistance, and effectively protect the bearing core from wear caused by dirt and sand getting lodged in between the fibers.

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

Application:



### 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  
Custom size and length available by request

