

OPTIMA 5

Twist Identification 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. Optima5 winch rope offers exceptional strength, lightness and efficiency, adopted in Oil & Gas, Offshore, Mining and Energy sectors.

In response to operating environments, it has been designed with a distinctive multi-colorscheme to aid in identification and prevent twists during use, thus avoiding loss of strength.

- ▶ Multi-color and permanent twist identification
- ▶ Extremely low elongation improves use efficiency
- ▶ Perfect bending fatigue and relaxation fatigue
- ▶ Extremely high strength
- ▶ Superior wear resistance

Application:



Specification

Diameter		Weight		Minimum Breaking Strength	
inch	mm	lbs/100ft	kg/100m	lbs	kg
1/4	6	1.6	2.4	9,000	4,100
5/16	8	2.7	4.0	13,900	6,300
3/8	10	3.8	5.7	19,600	8,900
7/16	11	5.1	7.6	23,800	10,800
1/2	12	6.6	9.8	33,000	15,000
9/16	14	8.0	12.0	39,800	18,100
5/8	16	11.0	16.4	54,300	24,700
3/4	18	15.0	22.3	71,900	32,700
7/8	22	18.8	28.0	96,100	43,700
1	24	22.2	33.1	113,700	51,700
1 1/16	26	25.7	38.4	130,500	59,300
1 1/8	28	30.5	45.5	147,600	67,100
1 1/4	30	33.9	50.6	167,000	75,900
1 5/16	32	38.6	57.5	188,800	85,800
1 1/2	36	48.3	72.0	227,500	103,400
1 5/8	40	59.0	88.0	262,500	119,300
1 3/4	44	71.4	106.5	311,300	141,500
2	48	86.0	128.0	374,200	170,100

▶ Specifications are for spliced strengths
Custom size and length available by request



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