

OPTIMA

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, a dopted 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



Technical Information

0.98
SPECIFIC GRAVITY

12 Strand
STRUCTURE

280°F (140°C)
MELTING POINT

150°F (65°C)
CRITICAL TEMP

3.5%~3.8%
FIBER ELONGATION

0%
WATER ABSORPTION



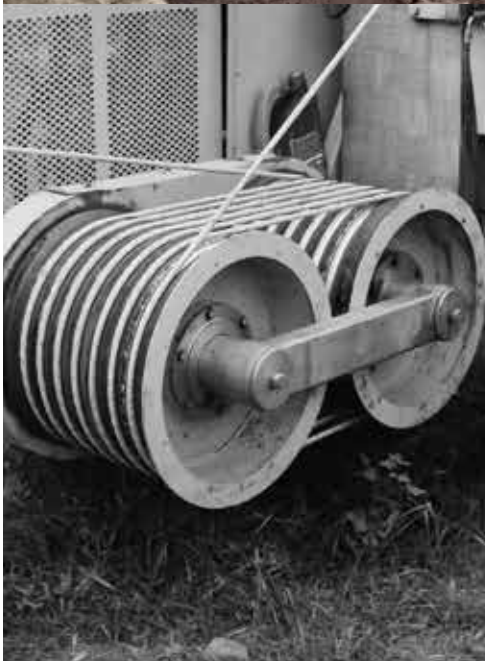
Diameter	Weight	Minimum Strength Spliced Rope	Minimum Strength ISO Unspliced Rope
inch	lbs/100ft	lbs	lbs
1/4	1.5	9,000	10,100
5/16	2.3	13,900	15,400
3/8	3.6	20,900	23,300
7/16	4.0	25,500	28,400
1/2	5.6	33,000	36,700
9/16	7.0	44,000	48,800
5/8	10.3	54,100	60,100
3/4	13.5	71,900	79,900
7/8	18.8	107,800	119,700
1	22.1	114,400	127,200
1 1/16	27.2	134,400	149,400
1 1/8	31.9	149,600	166,300
1 1/4	35.2	170,500	189,400
1 5/16	40.9	200,200	222,400
1 1/2	49.6	226,600	251,700
1 5/8	63.0	294,800	327,600
1 3/4	77.0	323,400	359,300
2	85.7	360,800	400,800

Diameter, weight and MBS are determined in accordance with CI1500-02. Custom size and length available by request.

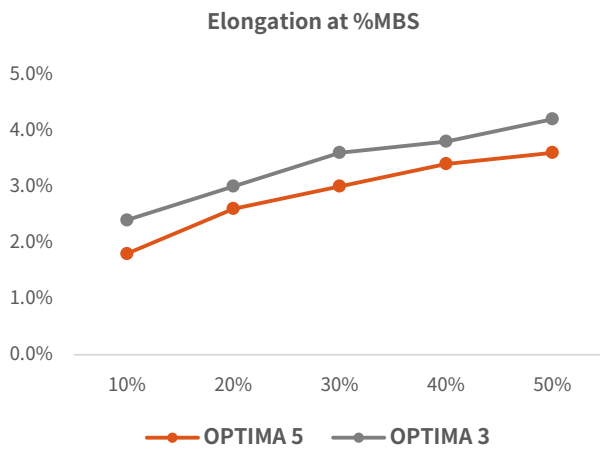




ROPERS
RELIABLE TO THE CORE



Elongation



OPTIMA 5

Premium UHMWPE Rope



- Superior strength
- Twist resistant identification
- Various coating design



OPTIMA 3

General Purpose UHMWPE Rope



- High strength
- Economical
- Available in multiple color



ROPERS ROPE



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