

OPTIMA 5

Permanent Twist Identification Rope

Optima is made of Ultra-High Molecular Weight Polyethylene (UHMWPE) fiber and is the highest strength synthetic fiber rope available made by ROPERS.

Combined with two-color anti-twist identification design, Optima5 strengthen the protection with the working environment, and the bright two-color identification design can effectively prevent the distortion during operation and avoid the 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



Specification

Diameter		Weight		Minimum Breaking Strength	
inch	mm	lbs/100ft	kg/100m	lbs	kg
1	24	22.2	33.1	126,300	57,400
1 1/16	26	25.7	38.4	145,000	65,900
1 1/8	28	30.5	45.5	164,100	74,600
1 1/4	30	33.9	50.6	185,500	84,300
1 5/16	32	38.6	57.5	209,700	95,300
1 1/2	36	48.3	72.0	252,800	114,900
1 5/8	40	59.0	88.0	291,700	132,600
1 3/4	44	71.4	106.5	345,800	157,200
2	48	86.0	128.0	415,800	189,000
2 1/8	52	99.9	149.0	484,900	220,400
2 1/4	56	116.0	173.0	558,800	254,000
2 1/2	60	133.0	199.0	632,900	287,700
2 5/8	64	152.0	226.0	720,500	327,500
2 3/4	68	172.0	257.0	810,300	368,300
3	72	192.0	287.0	900,000	409,100
3 1/8	76	215.0	320.0	987,800	449,000
3 1/4	80	237.0	354.0	1,012,000	460,000
3 5/8	88	279.6	417.0	1,209,600	549,800
4	96	333.3	497.0	1,436,800	653,100
4 1/8	100	361.6	539.3	1,528,100	694,600
4 1/4	104	391.1	583.3	1,619,600	736,200
4 1/2	108	421.8	629.0	1,711,800	778,100
4 5/8	112	453.6	676.5	1,804,200	820,100
5	120	520.7	776.6	2,029,700	922,600
5 1/8	124	565.0	842.6	2,158,200	981,000

▶ Specifications are for unspliced strengths, strength will decrease by about 10% after splicing
 Custom size and length available by request

