

# OPTIMA 4C

## High Performance Double Braid Mooring Line

Optima is made of Ultra-High Molecular Weight Polyethylene (UHMWPE) fiber and is the highest strength synthetic fiber rope available made by ROPERS. Optima 4C is a double braided rope made of high strength UHMWPE core and wear-resistant polyester cover. Functionally, it is as high strength, light weight, high efficiency as other Optima series ropes, but also has a longer service life.

Optima4C is a great wire rope alternative, because of its well performance on the winch. The overall structure of Optima4C is round and firm. The polyester cover is coated with a special coating to increase wear resistance, reduce snagging during use, and effectively protect the bearing core from damage. Furthermore, the coordinated double braid design minimizes core slippage during mooring operations to prevent excessive cover slack.

- ▶ UHMWPE core, with extremely high bending fatigue strength and tensile strength.
- ▶ Polyester cover with excellent wear resistance, more economical.
- ▶ Perform on all types of winches.
- ▶ Coated with polyurethane for added UV and chemical resistance.

### Specification



Diameter		Weight		Minimum Break Strength	
inch	mm	lbs/100ft	kg/100m	lbs	kg
3/8	10	4.6	6.8	19,800	9,000
7/16	11	5.0	7.5	24,200	11,000
1/2	12	7.1	10.5	27,500	12,500
9/16	14	8.1	12.0	30,800	14,000
5/8	16	10.8	16.0	40,500	18,400
3/4	18	12.7	18.9	42,500	19,300
13/16	20	16.1	23.9	56,100	25,500
7/8	22	23.0	34.2	71,700	32,600
1	24	27.6	41.0	76,300	34,700
1 1/8	28	37.4	55.7	112,200	51,000
1 1/4	30	41.4	61.6	132,400	60,200
1 5/16	32	49.3	73.4	145,900	66,300
1 3/8	34	56.4	83.9	166,100	75,500
1 1/2	36	67.4	100.3	188,500	85,700
1 5/8	40	78.2	116.3	228,800	104,000
1 3/4	44	97.3	144.8	277,200	126,000
2	48	114.2	169.9	330,000	150,000

▶ Specifications are for spliced strengths  
Larger Available By Request

