

OPTIMA 3

Offroad 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.

Optima 3 has superior performance and ultra-high strength, and is lighter, stronger and safer than general steel wire winch rope, adopted in Oil & Gas, Offshore, Mining and Energy sectors.

Optima 3 has an U-shaped cover at the eye spliced is designed for customize-made hanger with winch rope. Unique durable cover prevents brake heating and reel wearing.



High wear resistance and excellent tensile strength



Protects against drum heat and abrasion



Compatible with most winches



UV and chemical resistance



Technical Information



0.98
SPECIFIC GRAVITY



12 Strand
CONSTRUCTION



280°F (140°C)
MELTING POINT



150°F (65°C)
CRITICAL TEMP



3.2%
ELONGATION
AT 30% BREAK



0
WATER
ABSORPTION



Diameter	Weight	Minimum Strength Spliced Rope	Minimum Strength ISO Unspliced Rope
inch	lbs/100ft	lbs	lbs
3/16	0.9	6100	6800
1/4	1.7	8,600	9,600
5/16	2.5	13,200	14,700
3/8	3.6	18,700	20,800
7/16	4.0	21,600	24,000
1/2	5.6	31,500	35,000
9/16	7.0	38,100	42,300

Custom size and length available by request.



ROPERS ROPE



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