

# OPTIMA™ 4S

## Offroad Winch Line

OPTIMA™ 4S UHMWPE/HMPE Winch Line sets the benchmark for synthetic winch lines with its exceptional strength and performance. Constructed with ultra-high-molecular-weight polyethylene (UHMWPE) fiber, this rope stands as the pinnacle of synthetic alternatives, proudly manufactured by ROPERS. It is widely embraced in the Oil & Gas, Offshore, Mining, and Energy sectors for its outstanding capabilities. Designed to be a remarkable wire rope substitute, UHMWPE/HMPE OPTIMA™ 4S offers several advantages. Its high-strength UHMWPE core, combined with a wear-resistant UHMWPE over braided cover, ensures optimal performance in the most demanding conditions. Additionally, the cover is specially coated to enhance wear resistance and shield the bearing core from the detrimental effects of dirt and sand.



Extremely high bending  
fatigue strength



Minimize sliding between  
core and cover in design



Smooth and tight



Good wear resistance



UV and chemical resistance



### Technical Information



**0.98**  
SPECIFIC GRAVITY



**Double Braid**  
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
3/8	4.4	19,800	22,000
7/16	4.9	24,200	26,800
1/2	6.5	27,500	30,600
9/16	7.4	30,800	34,300
5/8	10.1	40,500	44,900
3/4	13.8	53,200	59,100

Custom size and length available by request.



**ROPERS ROPE**



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