

# 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 ultrahigh strength, and is lighter, stronger and safer than general steel wire winch rope.

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**  
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
3/16	0.9	6,100	6,800
1/4	1.5	8,600	9,600
5/16	2.3	13,200	14,700
3/8	3.6	18,700	20,800
7/16	4.0	22,600	25,100
1/2	5.6	31,500	35,000
9/16	7.0	38,100	42,300

Custom size and length available by request.

