

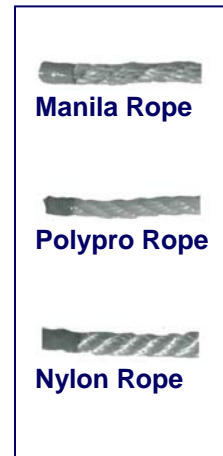
# Rope

## Rope

Size Diameter (in)	Feet/Reel	Manila		Polypropylene		Nylon	
		Wt/100 Ft (lbs)	Strength (lbs)	Wt/100 Ft (lbs)	Strength (lbs)	Wt/100 Ft (lbs)	Strength (lbs)
3/16	600	1.5	405	.07	720	1.2	1000
1/4	600	2.0	540	1.2	1130	2.0	1650
5/16	600	2.9	900	1.8	1710	3.1	2550
3/8	600	4.1	1215	2.8	2430	4.5	3700
1/2	600	7.5	2385	4.7	3780	8.0	6400
5/8	600	13.3	3960	7.5	5580	13.0	10,400
3/4	600	16.7	4860	10.7	7650	17.5	14,200
7/8	600	22.5	6930	15.0	10,400	25.0	20,000
1	600	27.0	8100	18.0	12,600	30.5	25,000

## Rope Fiber Information

Fiber Type	Nylon	Polypropylene	Manila
Strength	Excellent	Good	Poor
Wet vs Dry Strength	85%	100%	115%
Shock Load Ability	Excellent	Excellent	Poor
Water Absorption	6%	Zero	100%
Melting Point	480° F	330° F	N/A
Abrasion Resistance	Good	Poor	Good
Resistance to Sun	Good	Poor	Good
Resistance to Rot	Excellent	Excellent	Poor
Resistance to Acid	Poor	Good	Poor
Flexing Endurance	Excellent	Good	Poor
Storage Requirements	Wet or Dry	Wet or Dry	Dry Only



### Warning

Never exceed the working load limit of rope. Attachments must have at least the same working load limits as the rope used. Keep out from under raised load. Destroy, rather than discard, rope to be retired. Inspect rope frequently; store properly. Avoid overheating, shock loads, chemicals, rust and abrasion.

### Warning

Avoid abrasion and unnecessary wear. Outer fibers as well as inner fibers contribute to a rope's strength. When outer fibers are worn by chafing or dragging over splintered, rough or gritty surfaces, the rope is worn and weakened.