



CORDAGE

Twisted Ropes



Manila

A good all-purpose rope, **Manila** is used extensively in marine, agricultural, trucking, construction and oil exploration.

Features:

- Inexpensive
- Strongest of the vegetable fibers - actually stronger when wet
- Low stretch - ideal for applications not requiring high strength or great elasticity
- Absorbs water - swells up to 100% of its weight making handling more difficult
- Storage - if wet, dry thoroughly to prevent mildew, rot or loss of strength
- Very poor chemical resistance

PIN #	Nominal Diameter Inches	Approx. Wt/* Lbs / 100 Ft	Minimum Tensile Lbs
08MANR0000	1/4	1.82	540
10MANR0601	5/16	2.64	900
12MANR0602	3/8	3.79	1220
16MANR0602	1/2	6.96	2380
20MANR0602	5/8	12.7	3960
24MANR0602	3/4	15.9	4860
28MANR0000	7/8	21.4	6930
32MANR0602	1	25.7	8100
40MANR0602	1-1/4	39.7	12150
48MANR0601	1-1/2	57.0	16650

* Weight will vary slightly.

** Stocked in 600Ft. Cartons (some smaller sizes also in 1200 Ft. Cartons)

*** Available in other diameters upon request

Polypropylene

Polypropylene produces the lowest cost synthetic rope yet finds it way into some exacting uses. Not recommended for rendering, due to high friction and low melting point. It is the lightest rope, floats, and is available in a variety of colors (Yellow is standard). Leading uses are mooring lines, stringing lines, ski tow ropes, hand lines and pot warps.

Features:

- Tensile strengths - about twice those of Manila ropes
- Stretch - about double manila for the same diameter but better than most other synthetics
- Absorbs no water - resistant to rot - no loss of strength when wet - floats
- Sensitive to ultraviolet light - darker colors better than yellow
- Chemical resistance - best all-round resistance of the fiber ropes
- Abraids easily - not recommended for rendering or high surface friction applications.

PIN #	Nominal Diameter Inches	Approx. Wt/* Lbs / 100 Ft	Minimum Tensile Lbs
08PPR31601	1/4	1.15	1125
10PPR31601	5/16	1.80	1710
12PPR31601	3/8	2.60	2440
16PPR31601	1/2	4.60	3780
20PPR31601	5/8	7.20	5600
24PPR31601	3/4	10.4	7650
28PPR31601	7/8	14.2	10400
32PPR31601	1	18.0	12600
40PPR31601	1-1/4	27.6	18900
48PPR31601	1-1/2	39.4	26800

*Stocked in 600 Ft Cartons (Some smaller sizes also in 1200 Ft Cartons)

** Available in other diameters upon request

Note: Manila and Polypropylene ropes are sold only in full cartons.

Please refer to the Warning notice at the end of this section concerning Working Load Limits.



Nylon

Nylon was the first of the synthetic fibers to be used in rope. It is still a dominant fiber and finds its greatest use in the marine field. High energy absorption and strength make nylon ropes superior for: towing, mooring, pennants and anchoring.

Features:

- Strongest of the conventional ropes
- Stretch is about 12 times that of manila and double that of polyester.
- Nylon is 10-15% weaker when wet than dry - strength returns when dry - will not rot
- Sunlight degrades all synthetic fibers - second only to polyester in resistance but better than polypropylene - protect from sunlight whenever possible
- Excellent resistance to alkalis and most solvents - resistance to acids only fair, particularly sulphuric, hydrochloric and nitric
- Good to excellent abrasion resistance when dry - less when wet - avoid grit from penetrating into or between strands

Premium Nylon Rope

PIN #	Nominal Diameter Inches	Approx. Wt/* Lbs / 100 Ft	Minimum Tensile Lbs
08NYR33601	1/4	1.57	1490
10NYR33601	5/16	2.45	2300
12NYR33601	3/8	3.55	3340
16NYR33601	1/2	6.3	5750
20NYR33601	5/8	9.9	9000
24NYR34601**	3/4	14.3	11300
N/S	7/8	19.5	18000
32NYR33601	1	25.3	22600
40NYR33601	1-1/4	39.7	33800
48NYR33601	1-1/2	57.0	47800

*Stocked in 600 Ft Cartons (Some smaller sizes also in 1200 Ft Cartons)

** PIN# for Black - other PIN#'s refer to white

*** Available in other diameters upon request

NOTE: Nylon and Poly Dac ropes sold only in full cartons

Poly Dac

Poly Dac rope combines the best properties of 3 synthetic fibers. The outside cover yarns are part polyester for abrasion resistance and part polyethylene for improved rendering. The core yarns are polypropylene for economy and lighter weight.

Poly Dac is the best general purpose rope available when considering cost sensitive applications which require the rope to undergo tough service. Leading uses are: mooring lines, river lock lines, docking lines, stringing lines, ski tow lines, shovel ropes, car pullers, hand lines, purse lines, and net ropes.

Features:

- Tensile Strengths - approximately 20-30% stronger than polypropylene, depending upon size
- Stretch - more than polypropylene but about one-half of polyester and one-third of nylon for the same size
- Absorbs minimal amounts of water - does not rot - floats in diameters above 1"
- Less sensitive to ultraviolet rays than polypropylene, but protect from sunlight whenever possible
- Polyester content very resistant to acids unless they are concentrated and has good resistance to weak alkalis. Polyolefins, which comprise the rest of the rope, have excellent all-around resistance to chemicals
- Excellent abrasion resistance - polyester cover acts as a lubricant to reduce abrasion during rendering

PD 10™ Poly Dac Combination Rope

PIN #	Nominal Diameter Inches	Approx. Wt/* Lbs / 100 Ft	Minimum Tensile Lbs
08PYP03601	1/4	1.6	1375
N/S	5/16	2.5	2160
12PYP03601	3/8	4.2	2700
16PYP03601	1/2	6.6	4700
20PYP03601	5/8	9.6	7000
24PYP03601	3/4	13.5	7650
N/S	7/8	18.0	10400
N/S	1	21.8	12600
N/S	1-1/4	33.4	18900
N/S	1-1/2	47	26800

*Stocked in 600 Ft Cartons (Some smaller sizes also in 1200 Ft Cartons)

** Available in other diameters upon request

Please refer to the Warning notice at the end of this section concerning Working Load Limits.