



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

Polypropylene

Polypropylene produces the lowest cost synthetic rope yet finds its 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 (in.)	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	1,215
16MANR0602	1/2	6.96	2,385
20MANR0602	5/8	12.7	3,960
24MANR0602	3/4	15.9	4,860
28MANR0000	7/8	21.4	6,930
32MANR0602	1	25.7	8,100
40MANR0602	1-1/4	39.7	12,150
48MANR0601	1-1/2	57.0	16,650

* Weight will vary slightly.
 ** Stocked in 600 Ft. Cartons
 (Some smaller sizes also in 1200 Ft. Cartons)
 *** Available in other diameters upon request

Note

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

PIN #	Nominal Diameter (in.)	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	2430
16PPR31601	1/2	4.60	3780
20PPR31601	5/8	7.20	5580
24PPR31601	3/4	10.4	7650
28PPR31601	7/8	14.2	10350
32PPR31601	1	18.0	12825
40PPR31601	1-1/4	27.6	19350
48PPR31601	1-1/2	39.4	27350

* Stocked in 600 Ft Cartons
 (Some smaller sizes also in 1200 Ft Cartons)
 ** Available in other diameters upon request

Note

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

CORDAGE



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, hydro-chloric and nitric
- Good to excellent abrasion resistance when dry - less when wet - avoid grit from penetrating into or between strands

PIN #	Nominal Diameter (in.)	Approx. Weight/* lbs / 100 Ft	Minimum Tensile (lbs)
08NYR33601	1/4	1.57	1485
10NYR33601	5/16	2.45	2295
12NYR33601	3/8	3.55	3240
16NYR33601	1/2	6.3	5670
20NYR33601	5/8	9.9	8910
24NYR34601**	3/4	14.3	12780
N/S	7/8	19.5	17280
32NYR33601	1	25.3	22230
40NYR33601	1-1/4	39.7	34830
48NYR33601	1-1/2	57.0	48600

*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

Note: Nylon and Blue Steel™ Poly ropes sold only in full cartons



CWC Blue Steel™

CWC Blue Steel™ is one of the strongest copolymer ropes in the market. It offers low elongation and twice the wear life of standard polypropylene. Constructed from high strength, high tenacity polyolefin yarns, BLUE STEEL™ offers excellent resistance to abrasion, UV light, rot, mildew and most common chemicals. With a specific gravity of 0.91, this rope floats and will not absorb water. Easy to handle and splice.

Features:

- 30-40% stronger than standard polypro rope of comparable diameter.
- Greater UV and abrasion resistance.
- Available in a variety of pull-ups, 8 braid and 12 strand.

Possible Uses:

- Barge Lines
- Tow Boat Lines
- Floating Hawsers
- Containment Lines
- Fishing Ropes
- Tie-Up Lines
- Rope Trawls
- Cod Ends
- Rib Lines

Item Number	Diameter *	Length	Reel/Coil	Min. Tensile Strength	Approx. Weight
402011	3/16"	1200'	Reel	950 lbs.	8 lbs
402019	1/4"	1200'	Reel	1,600 lbs	14 lbs
402025	5/16"	1200'	Reel	3,100 lbs	24 lbs
402040	3/8"	600'	Reel	3,800 lbs	15 lbs
402050	1/2"	600'	Reel	6,600 lbs	27 lbs
402082	5/8"	600'	Reel	11,000 lbs	46 lbs
402095	3/4"	600'	Coil	13,900 lbs	59 lbs
402105	7/8"	600'	Coil	20,100 lbs	88 lbs
402115	1"	600'	Coil	23,100 lbs	104 lbs
402120	1-1/8"	600'	Coil	30,000 lbs	142 lbs
402125	1-1/4"	600'	Coil	32,900 lbs	160 lbs
402135	1-1/2"	600'	Coil	46,100 lbs	234 lbs
402145	1-3/4"	600'	Coil	76,500 lbs	352 lbs
402150	2"	600'	Coil	83,500 lbs	451 lbs
402162	2-1/4"	600'	Coil	107,100 lbs	609 lbs
402170	2-1/2"	600'	Coil	122,300 lbs	695 lbs
402195	3"	600'	Coil	176,000 lbs	1,014 lbs

Note

Please refer to the Warning notice at the end of this section