

# Nylon 3-Strand Rope

Manufactured by Miami Cordage up to 1-1/4" diameter according to the Cordage Institute Standards, our 3-strand nylon twist rope consists of three equally sized strands of nylon fibers that are twisted together to produce a very strong rope with superb elasticity. Using premium high-tensile U.S. & European manufactured nylon fibers, we produce a durable rope through a four stage, balanced construction process. It handles great in both wet and dry conditions and will knot and splice easily.

## Features

- Available by the reel or cut lengths
- Available in both white & black, additional colors available on special order
- Available in Mil Spec: MIL-R -17343D

Part #	Nominal Diameter		Circ (in)	Tensile Strength (lbs)	Appx Wt/100 ft (lbs)
	Inch	MM			
NR316	3/16	5	5/8	800	1.25
NR14	1/4	6	3/4	1,650	1.50
NR516	5/16	8	1	2,550	2.50
NR38	3/8	10	1-1/8	3,700	3.50
NR716	7/16	11	1-1/4	4,800	5.10
NR12	1/2	13	1-1/2	6,400	6.30
NR916	9/16	14	1-3/4	7,900	8.40
NR58	5/8	16	2	10,400	10.50
NR34	3/4	19	2-1/4	13,800	14.50
NR78	7/8	22	2-3/4	20,000	20.00
NR1	1	25	3	25,000	26.40
NR114	1-1/4	32	3-3/4	37,500	40.00
NR112	1-1/2	38	4-1/2	53,000	55.00

NR2	2	50	6	90,000	95.00
NR212	2-1/2	64	7-1/2	125,000	149.00
NR3	3	76	9	195,000	210.00

Compliance to the above specifications is based upon testing according to the Cordage Institute Standard Testing Methods for Fiber Rope and/or ASTM D-4268 Standard Methods of Testing Fiber Ropes.

**Weights:** are average and may vary +/- 5%.

**Tensile strengths:** Are approximate average for new, unused ropes. To estimate the minimum tensile strength of a new rope, reduce the approximate average by 15% (Cordage Institute defines minimum tensile strength as two standard deviations below the average tensile strength of the rope).

Nylon rope has three characteristics that make it ideal for dockline. Nylon rope is incredibly strong, it is very stretchy, and it resists the harmful effects of sunlight better than any of those fancy-name synthetics.

Nylon ropes value of strength is self-evident, but the benefits of elasticity may not be as obvious. When your boat surges against an unyielding dockline, the load on the line goes from zero to the maximum at the instant the nylon line comes taut. The likely consequence is a broken line-not unlike how you might snap a piece of thread with a jerk. Even if the nylon rope is strong enough not to break, it is hammering cleats and bitts with every surge. Nylon rope doesn't come taut suddenly, but dissipates the load by stretching. It is like the difference between hitting the steering wheel or hitting the air bag.

As for nylon rope's resistance to ultraviolet damage, docklines, particularly permanent docklines, live in the sun. Nylon lines enjoy a much longer life than other lines in that environment.