

Yalon

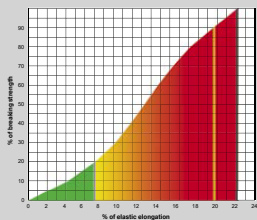
Double Braid



Yalon is a double-braided rope constructed of a nylon core and sleeve. It offers high energy absorption, controlled stretch, and exceeds the strength requirements of MIL-DTL-24050.

Yalon is easily spliced and can be purchased with our optional Max acket coating for enhanced abrasion protection or to color code lines for a given application. Also available in solid white or solid black.

Diameter (in)	Spliced Minimum Breaking Strength (lbf)*	Unspliced Minimum Breaking Strength (lbf)**	Average Breaking Strength (lbf)	Weight (lb/100ft)
1/4	1,800	2,000	2,000	1.5
5/16	3,100	3,400	3,500	2.8
3/8	4,300	4,700	4,800	3.7
7/16	5,800	6,400	6,500	5.3
1/2	7,400	8,200	8,300	7.0
9/16	10,500	11,500	12,000	10.0
5/8	15,000	16,500	17,000	13.0
3/4	18,500	20,500	21,000	16.2
7/8	26,500	29,000	29,500	23.3
1	30,500	33,500	34,000	28.5
1-1/8	42,500	47,000	47,500	37.7
1-1/4	47,500	52,000	53,000	43.9
1-5/16	54,000	60,000	60,000	49.6
1-1/2	72,000	79,000	80,000	61.1
1-5/8	79,000	87,000	88,000	68.5
1-3/4	95,000	100,000	110,000	85.9
2	115,000	125,000	130,000	101.0
2-1/4	150,000	165,000	170,000	131.0



Energy Absorption

The colored area under the curve represents the rope's ability to do "work" and is expressed in foot-pounds per pound of rope in tension.

- Green working 796 ft. lbs./lb.
- Red ultimate 11,871 ft. lbs./lb.

Dielectric Strength: The maximum allowable leakage for clean, dry Yalon is 2 milli-amperes when tested at 100kV per Yale Method 712-1701 Rev 1 "Routine Production Test." Absorbed and entrained moisture or impurities will increase rope's conductivity dramatically.

Approved Splice Technique: #10017200.

Minimum Break Strength

Specific Gravity: 1.14

*Knots and abrupt bends significantly reduce the strength of all ropes and lower maximum working load.

**Working load is based on static or moderately dynamic lifting/ pulling operations. Instantaneous changes in load, up or down, in excess of 10% of the rope's rated working load constitute hazardous shock load and would void the normal working-load recommendation. Consult Yale Cordage for guidelines for working loads and the safe use of rope.