



Yalon

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.

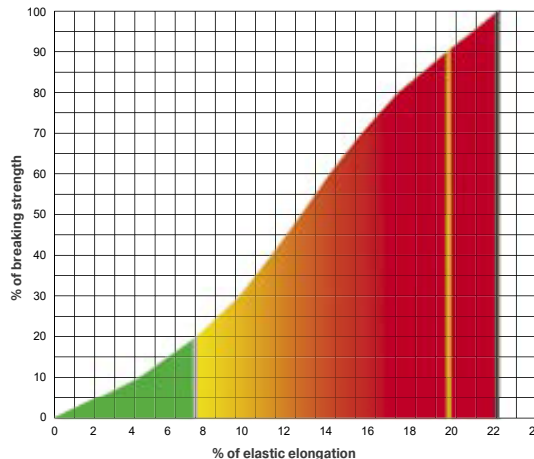
Yalon is easily spliced and can be purchased with our optional Maxijacket coating for enhanced abrasion protection or to color code lines for a given application. Also available in solid white or solid black.

Specifications

Diameter Inches	Diameter mm	Weight Lbs/100ft	Weight Kg/100m	Average Spliced Break Strength* Lbs	Average Spliced Break Strength* Kg	Minimum Spliced Break Strength* Lbs	Minimum Spliced Break Strength* Kg	Maximum** Work Load 5:1 Lbs	Maximum** Work Load 5:1 Kg
1/4	6	1.5	2.2	2,100	950	1,890	855	420	190
5/16	8	2.8	4.2	3,500	1,585	3,150	1,427	700	317
3/8	10	3.7	5.5	4,800	2,175	4,320	1,958	960	435
7/16	11	5.3	7.9	6,500	2,950	5,850	2,655	1,300	590
1/2	13	7.0	10.4	8,300	3,765	7,470	3,389	1,660	753
9/16	14	10.0	14.9	12,000	5,445	10,800	4,901	2,400	1,089
5/8	16	13.0	19.4	17,000	7,715	15,300	6,944	3,400	1,543
3/4	19	16.2	24.1	21,000	9,530	18,900	8,577	4,200	1,906
7/8	22	23.3	34.7	29,500	13,390	26,550	12,051	5,900	2,678
1	25	28.5	42.4	34,000	15,435	30,600	13,892	6,800	3,087
1 1/8	29	37.7	56.1	47,500	21,565	42,750	19,409	9,500	4,313
1 1/4	32	43.9	65.4	53,000	24,060	47,700	21,654	10,600	4,812
1 5/16	33	49.6	73.9	61,000	27,690	54,900	24,921	12,200	5,538
1 1/2	38	61.1	91.0	80,000	36,320	72,000	32,688	16,000	7,264
1 5/8	41	68.5	102.0	88,500	40,175	79,650	36,158	17,700	8,035
1 3/4	44	85.9	127.9	106,000	48,120	95,400	43,308	21,200	9,624
2	51	101.0	150.4	129,000	58,565	116,100	52,709	25,800	11,713
2 1/4	57	131.0	195.1	168,000	76,270	151,200	68,643	33,600	15,254

* 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.



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.

- Maximum Working Load
- Minimum Break Strength
- Average Break Strength

Specific Gravity: 1.14