



Yalex

Yalex is a single-braid 12-strand rope constructed of premium over finish polyester fiber. Yalex's two-end-per-carrier structure creates a larger void in the middle of the rope, which makes it easier to splice and makes used-rope splicing much easier to perform.

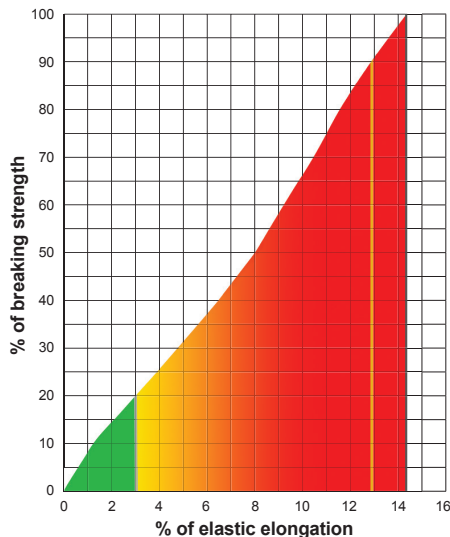
Yalex is coated with our rigger's-grade Maxijacket urethane coating, which reduces the new rope's tendency to snag, greatly enhances abrasion resistance, and is a great way to color code ropes for application or load rating.

Specifications

Diameter		Average Spliced Break Strength*		Minimum Spliced Break Strength*		Maximum** Working Load 5:1		Weight	
Inches	(mm)	Lbs	Kg	Lbs	Kg	Lbs	Kg	Lbs/100ft	Kg/100m
1/4	(6)	2,500	1,135	2,250	1,022	500	227	2.2	3.3
5/16	(8)	4,000	1,815	3,600	1,634	800	363	2.8	4.2
3/8	(10)	6,000	2,720	5,400	2,448	1,200	544	4.0	6.0
7/16	(11)	10,900	4,945	9,810	4,451	2,180	989	6.5	9.7
1/2	(13)	13,600	6,170	12,240	5,553	2,720	1,234	8.7	13.0
9/16	(14)	16,500	7,490	14,850	6,741	3,300	1,498	11.2	16.7
5/8	(16)	18,500	8,395	16,650	7,556	3,700	1,679	12.1	18.0
3/4	(19)	24,000	10,895	21,600	9,806	4,800	2,179	17.0	25.3
7/8	(22)	35,500	16,115	31,950	14,504	7,100	3,223	25.6	38.1
1	(25)	43,000	19,520	38,700	17,568	8,600	3,904	32.3	48.1
1-1/8	(29)	56,000	25,420	50,400	22,878	11,200	5,084	34.9	52.0
1-1/4	(32)	65,500	29,735	58,950	26,762	13,100	5,947	39.3	58.5
1-5/16	(33)	74,750	33,935	67,275	30,542	14,950	6,787	46.6	69.4
1-1/2	(38)	93,500	42,445	84,150	38,201	18,700	8,489	60.0	89.3
1-5/8	(41)	112,500	51,075	101,250	45,968	22,500	10,215	83.0	123.6
1-3/4	(44)	120,000	54,480	108,000	49,032	24,000	10,896	94.0	140.0
2	(51)	133,200	60,470	119,880	54,423	26,640	12,094	117.0	174.2

* 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 409 ft. lbs./lb.
- Red ultimate 10,700 ft. lbs./lb.

Dielectric Strength: The maximum allowable leakage for clean, dry Yalex is 100 micro-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: #10015101.

- Maximum Working Load
 - Minimum Break Strength
 - Average Break Strength
- Specific Gravity: 1.38