

## 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.

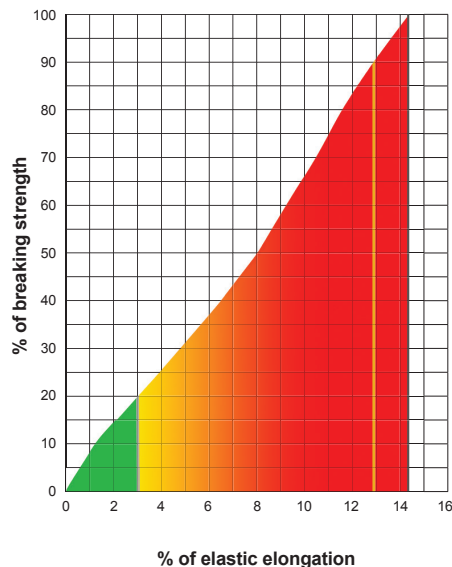
Yalex is coated with our rigger's-grade Maxijacket urethane coating, which reduces the new rope's tendency to snag, greatly enhances abrasion resistance, and is a great way to color code ropes for application or load rating.

### 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