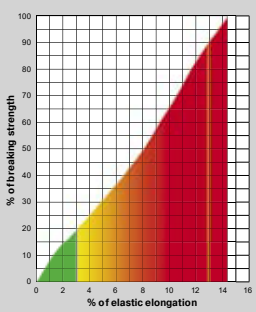
YALE CORDAGE
A SLINGMAX GROUP COMPANY

Yalex
Single Braid

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 always coated with Yale's 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.

Diameter (in)	Spliced Minimum Breaking Strength (lbf)*	Unspliced Minimum Breaking Strength (lbf)**	Average Breaking Strength (lbf)	Weight (lb/100ft)
1/4	2,900	3,200	3,300	2.5
5/16	4,800	5,200	5,400	3.1
3/8	5,900	6,500	6,600	4.1
7/16	10,500	11,500	12,000	6.4
1/2	13,500	15,000	15,000	8.4
9/16	16,500	18,500	18,500	10.3
5/8	18,500	20,500	21,000	11.6
3/4	24,000	26,500	27,000	15.5
7/8	37,500	41,500	42,000	23.0
1	44,000	48,000	49,000	32.3



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.

Minimum Break Strength

*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.