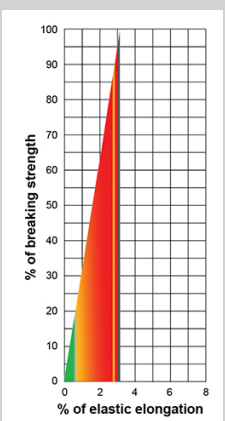
YALE CORDAGE
A SLINGMAX GROUP COMPANY

Ultrex^{SLE}
Single Braid

Manufactured in the USA from internationally sourced fiber, Ultrex^{SLE} delivers the exceptional strength and reliability of Ultrex with added dimensional precision for compatibility with standard stringing equipment. Its diameter and braid design are calibrated for smooth performance through industry-standard pullers, tensioners, and pilot line systems—reducing wear, improving safety, and ensuring consistent tension control. Lightweight for easy aerial deployment and featuring low stretch for precise sagging and line placement, Ultrex^{SLE} provides dependable handling and performance on every transmission job.

Diameter (in)	Diameter (mm)	Spliced Minimum Breaking Strength (lbf)*	Unspliced Minimum Breaking Strength (lbf)**	Average Breaking Strength (lbf)	Weight (lb/100ft)
7/16	10.5	20,000	22,000	22,500	4.2
1/2	12	29,500	32,000	33,000	6.1
5/8	15.5	43,000	47,500	48,000	9.0



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 318 ft. lbs./lb.
- Red ultimate 8,300 ft. lbs./lb.

Dielectric Strength: The maximum allowable leakage for clean, dry Ultrex^{SLE} is 75 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: #10015112, #10018009.

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.