

Data

Diam Inches	Average Break Strength Pounds	Minimum Break Strength Pounds	Maximum Working Load 5:1	Weight Pounds Per 100 ft.
3/8	20,000	18,000	4,000	3.5
7/16	25,700	23,130	5,140	4.6
1/2	37,400	33,660	7,480	6.2
9/16	45,000	40,500	9,000	7.5
5/8	53,000	47,700	10,600	9.5
3/4	75,000	67,500	15,000	13.5
7/8	98,000	88,200	19,600	19.6
1	120,000	108,000	24,000	23.4
1-1/8	148,000	133,200	29,600	31.9
1-1/4	172,000	154,800	34,400	37.9
1-5/16	184,000	165,600	38,800	43.8
1-1/2	230,000	207,000	46,000	57.0
1-5/8	285,000	256,500	57,000	65.3
1-3/4	330,000	297,000	66,600	77.9
2	390,000	351,000	78,000	91.5

Working load is based on static or moderately dynamic lifting/pulling operations. Instantaneous changes in load, up or down, in excess of 10% of line's rated working load constitutes hazardous shock load and would void normal working-load recommendation. Consult Yale Cordage for guidelines for working loads and safe use of rope. See engineering index (pages 33-35). Ultrex is to Yale Cordage Specification #YCI-UX-006.

Ultrex is a single-braid rope of 100% UHMPE fiber with our Maxijacket coating for superior abrasion resistance. Ultrex's braid angles and twist level are designed to optimize break strength. With better bend-over-sheave resistance than other high-modulus fiber ropes, Ultrex has zero water absorption and maintains its flexibility even in freezing conditions.

Specific Gravity: 0.98

Honeywell

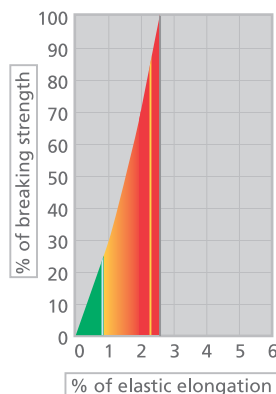
Spectra® Fiber

Elastic Elongation

The colored area under the curve represents the rope's energy-absorption capability.

■ Green working 404 ft. lbs./lb.

■ Red ultimate 6,188 ft. lbs./lb.



— Maximum Working Load
 — Minimum Break Strength
 — Average Break Strength

Dielectric Strength

The maximum allowable leakage for new dry Ultrex is 0.5 milliamperes at 60 K DC volts when tested in accordance with Yale Cordage Test Method DTP-185. Caution: Absorbed and entrained moisture or impurities will increase a rope's conductivity dramatically.