



Ultrex

Ultrex is the premier 12-strand single braid rope manufactured in the USA by Yale Cordage. Ultrex is made from Dyneema® (HMPE) fiber and enhanced with the extremely durable Maxijacket High Performance coating, which supplies superior abrasion resistance. The Maxijacket coating is applied on fiber / strand level, meaning that the coating is applied before braiding. Because of this, Ultrex offers exceptional abrasion resistance and long wear life—even in harsh environments. Ultrex’s braid angles and twist level are designed to optimize break strength and keep stretch low.



Specifications				
Diameter Inches	Weight Lbs/100ft	Average Spliced Break Strength* Lbs	Minimum Spliced Break Strength* Lbs	Maximum** Work Load 5:1 Lbs
1/16	0.1	800	720	160
1/8	0.3	2,200	1,980	440
5/32	0.5	3,400	3,060	680
3/16	1.0	6,000	5,400	1,200
1/4	1.7	10,000	9,000	2,000
5/16	2.4	14,800	13,320	2,960
3/8	3.6	20,000	18,000	4,000
7/16	4.6	26,500	23,850	5,300
1/2	6.4	37,400	33,660	7,480
9/16	8.0	45,000	40,500	9,000
5/8	9.5	53,000	47,700	10,600
3/4	14.0	75,000	67,500	15,000
7/8	17.9	98,000	88,200	19,600
1	24.2	120,000	108,000	24,000
1-1/8	28.8	148,000	133,200	29,600
1-1/4	33.9	172,000	154,800	34,400
1-5/16	41.8	184,000	165,600	36,800
1-1/2	55.4	254,000	228,600	50,800

* 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 related 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.

Premier 12-Strand Single Braid Rope Made with Dyneema Fiber

American-Made. Dyneema® Strong. Maxijacket Tough.

Ultrrex is Yale Cordage's premier 12-strand single braid rope, proudly manufactured in the USA from Dyneema high-modulus polyethylene (HMPE) fiber. Engineered for professionals who demand maximum strength, minimal stretch, and long-term durability, Ultrrex delivers reliable performance in the toughest environments.

Enhanced with Maxijacket High Performance Coating, Ultrrex offers industry-leading abrasion resistance. Unlike traditional coatings applied after braiding, our coating is applied at the fiber level before the rope is braided, ensuring deep, long-lasting protection throughout the rope structure.

- ✓ **DYNEEMA FIBER IS DOMESTICALLY SOURCED & MANUFACTURED**
- ✓ **FLEXIBLE & EASILY SPLICED**
- ✓ **LOW ELONGATION**

LEARN MORE ABOUT ULTRREX ROPE
WWW.YALECORDAGE.COM

**PROUDLY
MADE IN USA**





Ultrex	Rope Information
Diameter(s)	1/16", 1/8", 5/32", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-5/16", 1-1/2", 1-5/8", 1-3/4", 2"
Construction	12-Strand
Maxi jacket HP Coating	Fiber-Level
Material	Dyneema Fiber
Elongation	Low
Color Options*	Yellow, Green, Blue, Black, Red, Orange
Splicing	Easily Splice
Water Absorbtion	0%

*Contact Yale Cordage for additional color requirements



HIGH QUALITY DYNEEMA FIBER

Ultrex is a 12-strand single-braid rope made from domestically produced Dyneema® fiber, delivering high strength, low stretch, and excellent abrasion resistance.



FLEXIBLE CONSTRUCTION

12-strand braided construction delivers excellent flexibility, making Ultrex easy to coil and handle in the field.

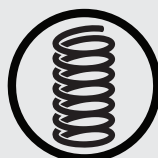


NO WATER ABSORPTION

Ultrex absorbs zero water, maintaining its lightweight performance and strength even in wet or freezing conditions.

EASILY SPLICED

Ultrex is designed for easy splicing. Its 12-strand single-braid construction design, open braid structure, and Yale's strand level coating technique allows for quick, reliable splicing, reducing downtime and making Ultrex the ideal rope for applications where terminations or length adjustments are needed.



LOW ELONGATION

Ultrex delivers extremely low elongation under load, ensuring precise, predictable performance. Its minimal stretch makes it ideal for applications where stability and load control are critical.

SUPERIOR ABRASION RESISTANCE

Ultrex offers excellent abrasion resistance, making it a reliable choice for harsh environments. Each strand is coated individually during manufacturing, providing added protection against wear and extending the rope's service life without sacrificing flexibility.

