YALE CORDAGE
A SLINGMAX GROUP COMPANY

Ultrex
Single Braid

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.

Zero water absorption

Superior Abrasion Resistance with Maxijacket Coating

Maintains flexibility even in freezing conditions.

Diameter (in)	Spliced Minimum Breaking Strength (lbf)*	Unspliced Minimum Breaking Strength (lbf)**	Average Breaking Strength (lbf)	Weight (lb/100ft)
1/16	950	1,000	1,100	0.1
1/8	1,900	2,000	2,200	0.3
5/32	3,000	3,300	3,400	0.5
3/16	5,400	5,900	6,000	1.0
1/4	9,000	9,900	10,000	1.6
5/16	13,000	14,000	14,500	2.3
3/8	18,000	19,500	20,000	3.3
7/16	23,500	25,500	26,500	4.5
1/2	33,500	36,500	37,500	6.4
9/16	40,500	44,500	45,000	8.0
5/8	47,500	52,000	53,000	9.2
3/4	67,000	73,000	75,000	13.8
7/8	88,000	96,000	98,000	17.7
1	115,000	125,000	130,000	24.2
1-1/8	130,000	140,000	145,000	28.7
1-1/4	155,000	170,000	175,000	35.3
1-5/16	170,000	185,000	190,000	41.8
1-1/2	225,000	245,000	250,000	55.6
1-5/8	275,000	300,000	310,000	63.1
1-3/4	295,000	320,000	330,000	75.4
2	355,000	390,000	395,000	89.3

*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.

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Ultrex

Made with Dyneema®

Premier 12-Strand Single Braid Rope Made with Dyneema Fiber

American-Made. Dyneema® Strong. Maxijacket Tough.

Ultrex 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, Ultrex delivers reliable performance in the toughest environments.

Enhanced with Maxijacket High Performance Coating, Ultrex 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

PROUDLY MADE IN USA

LEARN MORE ABOUT ULTREX ROPE
WWW.YALECORDAGE.COM

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Ultrex

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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 ABSORBTION

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 down-time 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.

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PROUDLY MADE IN USA

Note: Ultrex manufactured after 6/26/25 is made from Dyneema Fiber