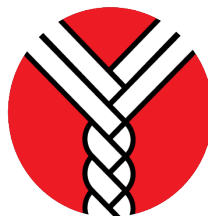


Ultrex

Ultra Strong.
Ultra Rugged.
Ultra Reliable.
Ultrex.

yalecordage.com | 207-282-3396



YALE[®]
CORDAGE
A SLINGMAX GROUP COMPANY

High-Performance Rope
Your Industry Can Trust





High-Performance Rope Your Industry Can Trust.

The Ultrex Product Line is Yale Cordage's premium range of 12-strand HMPE ropes, developed to deliver uncompromising performance across the world's most demanding industries. Built using application-specific high-performance HMPE fiber and engineered through a rigorous, application-first approach, Ultrex product line variants set the benchmark for strength, durability and reliability in the field.

Performance isn't one-dimensional. Different environments demand different characteristics, whether that's abrasion resistance, dimensional precision, low stretch or enhanced handling. That's why there is no 'one size fits all' solution in 12-strand HMPE rope.

Yale has developed the Ultrex product line as a portfolio of purpose-built solutions. Each one designed, tested and manufactured to meet the specific demands of the sectors and applications it serves.

From electric utility and transmission, to marine, oil and gas, mining and industrial operations, every rope in the Ultrex product line is engineered to perform where failure is not an option. Delivering consistent results in even the harshest working conditions.

Why Ultrex. Why Yale.

Yale Cordage has built the Ultrex product line around a simple principle: performance begins with understanding the application.

Application-led design

Every product is developed to meet the specific requirements of its end use, not retrofitted to suit multiple purposes.

Sector expertise

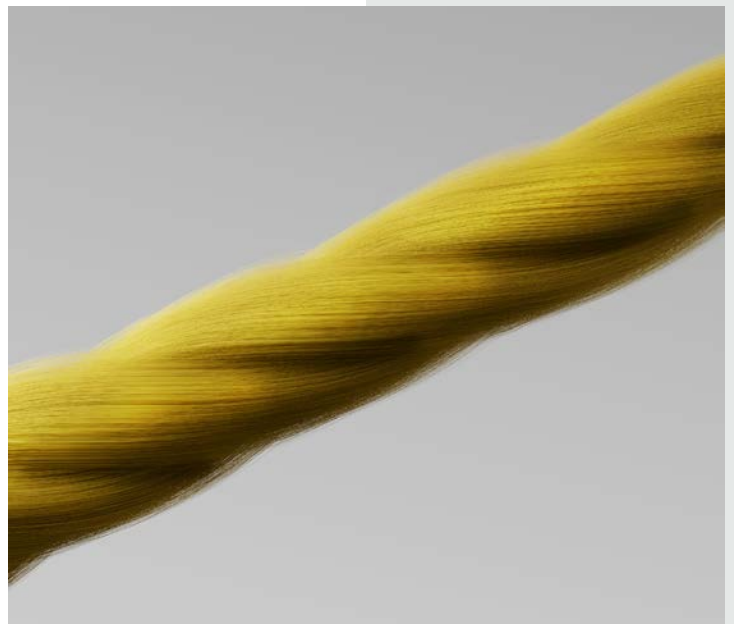
Deep knowledge across utility, marine, oil & gas and mining sectors enables more precise engineering and better-performing products.

Performance-led testing

Each design is validated against the real demands of the application, ensuring reliable performance in the field. Supported by rigorous testing and certification, including ABS Certification, CI 1500, and CI 1906-18 standards.

Robust quality control

Strict manufacturing processes ensure consistency from rope to rope, so performance is never left to chance. We control the fiber input, ensure consistent equipment and personnel during manufacturing and routinely test our products to make sure performance is consistent time after time.





The Ultrex Portfolio

Purpose-Built Performance for Every Application

Ultrex

Made with Dyneema® premium HMPE fiber, Ultrex is the benchmark for high-performance 12 strand HMPE rope, delivering exceptional strength-to-weight performance, superior handling and outstanding dimensional control across a wide range of industrial applications.

Ultrex^E

Engineered for enhanced endurance, combining high-denier-per-filament HMPE fibre and advanced abrasion-resistant coatings to provide exceptional durability in demanding, high-wear environments and applications.

Ultrex^{SLE}

Engineered specifically for utility stringing operations, Ultrex^{SLE} combines abrasion-resistant high-denier HMPE fiber with reliable compatibility across industry-standard equipment. Designed to deliver long-lasting performance in demanding pulling applications, it offers an operational value solution for crews seeking enhanced durability, efficient handling and dependable service life.

From precision utility stringing and marine mooring to rugged industrial and mining operations, the Ultrex product line provides a purpose-built solution for every application, environment and performance requirement.

Ultrex^R

A ruggedized HMPE rope engineered for extreme abrasion, cyclic loading and harsh field conditions where maximum durability and long-term performance are critical.

Ultrex^{SL}

A purpose-built utility stringing line manufactured with premium Dyneema[®] HMPE fiber, delivering exceptional strength-to-weight performance, low stretch and calibrated dimensional precision for efficient transmission and distribution work.

Ultrex^G

Designed with enhanced grip characteristics to provide superior holding power, improved control and confident handling in marine, towing and industrial applications.

The Ultrex Portfolio

Purpose-Built Performance for Every Application



From precision utility stringing and marine mooring to rugged industrial and mining operations, the Ultrex product line provides a purpose-built solution for every application, environment and performance requirement.

Ultrex

Made with Dyneema® premium HMPE fiber, Ultrex is the benchmark for high-performance 12 strand HMPE rope, delivering exceptional strength-to-weight performance, superior handling and outstanding dimensional control across a wide range of industrial applications.

Ultrex^E

Engineered for enhanced endurance, combining high-denier-per-filament HMPE fibre and advanced abrasion-resistant coatings to provide exceptional durability in demanding, high-wear environments and applications.

Ultrex^{SL}

A purpose-built utility stringing line manufactured with premium Dyneema® HMPE fiber, delivering exceptional strength-to-weight performance, low stretch and calibrated dimensional precision for efficient transmission and distribution work.

Ultrex^{SLE}

Engineered specifically for utility stringing operations, UltrexSLE combines abrasion-resistant high-denier HMPE fiber with reliable compatibility across industry-standard equipment. Designed to deliver long-lasting performance in demanding pulling applications, it offers an operational value solution for crews seeking enhanced durability, efficient handling and dependable service life.

Ultrex^R

A ruggedized HMPE rope engineered for extreme abrasion, cyclic loading and harsh field conditions where maximum durability and long-term performance are critical.

Ultrex^G

Designed with enhanced grip characteristics to provide superior holding power, improved control and confident handling in marine, towing and industrial applications.



Ultrex^{SL}

Ultrex^G

Selecting the Right Ultrex Rope

No two industries place the same demands on rope. From overhead transmission projects and harsh mining environments to marine operations and industrial lifting applications, each sector presents unique challenges that influence rope performance, durability and safety.

That's why the Ultrex product line has been engineered around the specific requirements of the industries it serves. Rather than offering a one-size-fits-all solution, Yale applies decades of application expertise to develop ropes with the precise construction characteristics, coatings and performance attributes needed to excel in real-world conditions.

The Sectors We Serve

Electric Utility

Whether pulling transmission or distribution conductors, stringing line applications demand ropes that combine maximum strength with minimal weight, all while maintaining that performance pull after pull. Ultrex utility solutions are engineered to improve pulling efficiency, reduce installation times and support safer handling for line crews. Lightweight construction helps minimize operator fatigue while delivering the durability required for safe execution pull after pull.

Recommended Ultrex Products: Ultrex^{SLE}, Ultrex^{SL}

Marine & Inland Marine

Blue Water and Brown Water Marine operations place unique demands on rope performance, requiring products that can withstand constant exposure to water, abrasion and cyclic loading while remaining easy to handle. Used across dock lines, face lines, barge moving systems and vessel mooring applications, the Ultrex range delivers superior handling characteristics and dependable performance in wet environments. Enhanced abrasion resistance helps combat wear from docks, barges and chocks, while the lightweight, flexible construction improves safety and ease of use during line handling operations.

Recommended Ultrex Products: Ultrex^G, Ultrex^E





Mining

Few environments are as demanding on rope as mining, ropes are exposed to severe abrasion, contamination, shock loading and constant operational stress. Ultrex is designed for mining applications to provide exceptional durability and extended service life in these challenging environments. Advanced construction methods, abrasion-resistant coatings and application-specific designs help reduce downtime caused by rope replacement while giving operators the confidence that their rope will continue to perform under the toughest conditions.

Recommended Ultrex Products: Ultrex^E, Ultrex^R



Oil & Gas

In oil and gas operations, reliability is critical. Whether supporting offshore activities, utility pulling, equipment positioning or workboat operations, ropes must deliver exceptional strength, predictable performance and long-term durability. The Ultrex range combines a high strength-to-weight ratio with low stretch characteristics, making ropes easier to handle while maintaining the performance required for demanding industrial environments, while supporting safer and more efficient operations.

Recommended Ultrex Products: Ultrex, Ultrex^E, Ultrex^R



Industrial Applications

Industrial applications require versatile rope solutions capable of delivering dependable performance across a wide range of tasks. From general pulling and material handling through to rigging support and equipment movement, Ultrex provides the strength, durability and handling characteristics needed to improve safety and productivity. Lightweight construction makes ropes easier to deploy and manage, while advanced fibre technologies and abrasion-resistant coatings help extend service life in environments where repetitive use, bending and surface wear can rapidly degrade conventional rope solutions.

Recommended Ultrex Products: Ultrex, Ultrex^E, Ultrex^R

Ultrex

The benchmark for high-performance rope

Manufactured in the USA and engineered with premium Dyneema® SK-75 HMPE fiber, Ultrex represents Yale Cordage's flagship 12-strand single braid rope. Designed for professionals who demand maximum strength, minimal stretch and uncompromising durability, Ultrex delivers the performance required across utility, marine, mining, oil and gas, and industrial applications.

At the heart of Ultrex is Yale's engineering-first approach. While many HMPE ropes share a similar construction, Ultrex is designed to perform differently. Optimized braid angles, carefully controlled twist levels and Yale's proprietary strand-level coating technology work together to maximize strength, minimize elongation and deliver exceptional abrasion resistance in demanding environments.

Unlike traditional coatings that are applied after braiding, Yale's Maxijacket® High Performance coating is applied to individual fibers and strands before the rope is braided. This process provides deeper, longer-lasting protection throughout the rope structure, helping Ultrex maintain its performance and extend service life even in high-abrasion applications.

Key Features

- Premium Dyneema® SK-75 HMPE fiber
- 12-strand single braid construction
- Maxijacket® High Performance strand-level coating
- Optimised strength-to-weight ratio
- High tensile strength
- Low elongation
- Zero water absorption
- Abrasion resistance
- Flexible and easily spliced
- Manufactured in the USA

Specifications

Diameter Inches	Weight Lbs/100ft	Spliced Minimum (Lbs)	Unspliced Minimum (Lbs)
1/16	0.1	950	1,000
1/8	0.3	1,900	2,000
5/32	0.5	3,000	3,300
3/16	1.0	5,400	5,900
1/4	1.6	9,000	9,900
5/16	2.3	13,000	14,000
3/8	3.3	18,000	19,500
7/16	4.5	23,500	25,500
1/2	6.4	33,500	36,500
9/16	8.0	40,500	44,500
5/8	9.2	47,500	52,000
3/4	13.8	67,000	73,000
7/8	17.7	88,000	96,000
1	24.2	115,000	125,000
1-1/8	28.7	130,000	140,000
1-1/4	35.3	155,000	170,000
1-5/16	41.8	170,000	185,000
1-1/2	55.6	225,000	245,500
1-5/8	63.1	275,000	300,000
1-3/4	75.4	295,000	320,000
2	89.3	355,000	390,000

* Knots and abrupt bends significantly reduce the strength of all ropes.

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

Ultrex^E

Ultrex^E is engineered for applications where next level abrasion resistance and long-term performance are critical. Designed to withstand the toughest conditions, it combines advanced fiber technology with precision engineering to deliver dependable strength and exceptional durability for inland and commercial marine operations, oil and gas applications, mining and general working lines, where extended service life and resistance to wear are key.



Engineered for Endurance

Exceptional Abrasion Resistance

Premium high-denier HMPE fibers and advanced construction deliver outstanding resistance to wear in high-friction environments.

Built for Long Service Life

Designed for durability in repeated use and tough conditions, the optimized construction and material selection improve sheave-cycling performance, ensuring consistent reliability over extended use.

Lightweight & Easy to Handle

Simplifies handling on site, improving efficiency while reducing operator fatigue.

High Strength-to-Weight Performance

Delivers high tensile strength without unnecessary weight, supporting easier handling and efficient deployment.

Low Stretch for Reliable Control

Less than 1% elongation ensures consistent performance under load, supporting safer, more predictable operation.

Fiber & Strand-Level Protection

Coatings applied during fabrication significantly enhance abrasion performance while improving handling and longevity.

Easy to Splice

Designed for straightforward splicing, saving time and supporting operational flexibility.





Ultrax^{SL}

Purpose-built for the electric utility and transmission industry, Ultrax^{SL} is a premium 12-strand HMPE stringing line designed to deliver exceptional strength, precise handling and reliable performance throughout every stage of conductor installation. Manufactured in the USA using premium Dyneema[®] SK-75 HMPE fiber, Ultrax^{SL} combines an outstanding strength-to-weight ratio with low stretch characteristics, making it the ideal choice for demanding utility applications.

Unlike general-purpose HMPE ropes, Ultrax^{SL} has been specifically engineered around the requirements of utility stringing operations. Its construction, diameter and braid design are calibrated to work seamlessly with industry-standard sheaves, pullers and tensioning equipment, ensuring smooth operation, controlled line handling and improved efficiency in the field.

Lightweight yet exceptionally strong, Ultrax^{SL} reduces handling fatigue, improve crew safety and support faster installations. Its low elongation characteristics provide greater control during pulling, sagging and tensioning operations, delivering the consistent strength performance utility professionals depend on when accuracy matters most.



Purpose-Built for Utility Applications

High Strength-to-Weight Performance

Delivers maximum strength without unnecessary weight, supporting easier handling, efficient deployment and reduced crew fatigue in the field.

Specifically Engineered Stringing Line

This purpose-built stringing line, made from Dyneema[®] in the USA, provides the exceptional high-tenacity, strength-to-weight performance needed by the electric utility industry with rope diameters specifically selected for utility pulling machinery.

Long-Length Availability

Available in 6,000ft or greater lengths to support long pulls and reduce the need for additional joints during transmission line installation.

Calibrated for Standard Equipment

Rope diameters are specifically selected for utility pulling machinery, with construction and braid design calibrated for smooth operation through industry-standard sheaves and equipment.

Low Stretch for Precise Control

Maintains stable line positioning with minimal elongation under load, ideal for conductor pulling and controlled sagging and tensioning.

Lightweight for Aerial Deployment

Low weight supports easier manual handling and efficient aerial deployment, reducing fatigue and increasing productivity on site.

Ultrax^{SLE}

Ultrax^{SLE} is a premium 12-strand HMPE stringing line developed specifically for the electric utility and transmission industry. Combining the proven strength-to-weight performance of Ultrax^{SLE} with enhanced abrasion resistance and durability, Ultrax^{SLE} is engineered to withstand the demanding conditions associated with modern conductor installation and transmission construction projects.

Designed around real-world requirements of utility stringing operations, its diameter, braid construction and handling characteristics are calibrated for compatibility with industry-standard pullers, tensioners, sheaves and pilot line systems, ensuring smooth operation and consistent performance throughout every stage of installation.

What sets Ultrax^{SLE} apart is its enhanced durability. High denier HMPE fiber is paired with a proprietary strand-level coating system engineered specifically to combat the wear mechanisms commonly encountered during stringing operations. The result is a utility-grade rope that delivers increased abrasion resistance, longer service life and dependable performance in demanding pulling environments.



Built for Strength to Weight Performance

Lightweight Handling

Low weight supports easier manual handling and efficient aerial deployment, reducing fatigue and increasing productivity on site.

Low Stretch for Precise Control

Maintains stable line positioning with minimal elongation under load—ideal for conductor pulling and controlled sagging.

Fiber-Level Protection

Coatings applied during fabrication significantly enhance abrasion performance while improving handling and longevity.

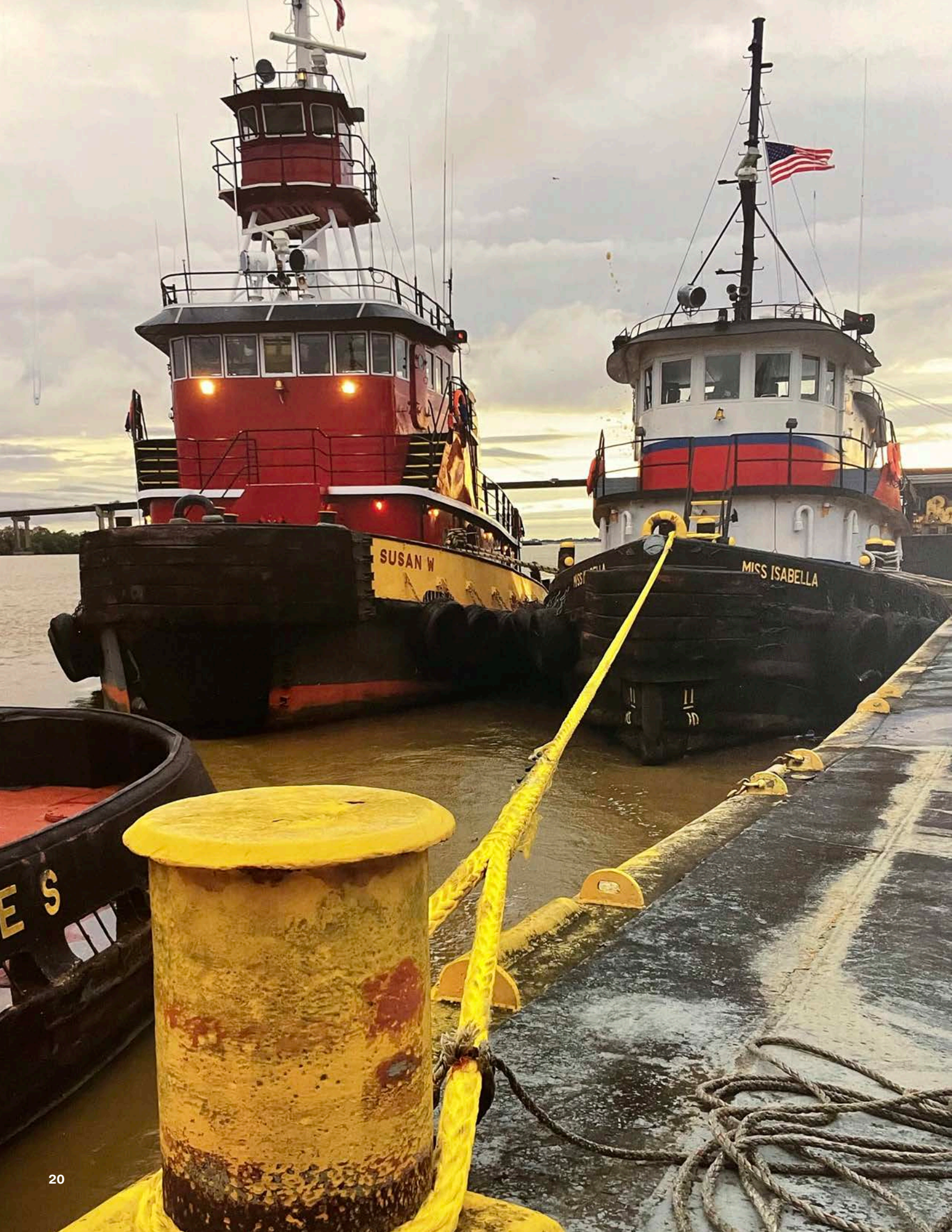
Calibrated for Consistency

Optimized diameter, construction and braid design ensure smooth passage through equipment, improving safety and reducing wear.

Engineered for Electric Utility Work

Designed specifically for use with standard stringing equipment, ensuring reliable performance across overhead transmission applications.





Ultrex^R

When standard HMPE ropes reach their limits, Ultrex^R is built to go further. Developed for the harshest working environments, Ultrex^R combines high strength and abrasion resistance with additional design enhancements engineered specifically for extreme field conditions. The result is a ruggedized rope solution that delivers exceptional durability, extended service life and dependable performance where abrasion, cyclic loading and harsh handling are constant challenges.

Designed for operators working in demanding industrial, utility, construction, recovery and mining applications, the rope is optimized through twist levels, refined braid angles and

specialized abrasion-resistant coatings. Working together to minimize internal fiber movement, enhance wear resistance and maximize rope longevity in the field.



Engineered for Extreme Conditions

Extreme Abrasion Resistance

Designed to withstand severe wear conditions, Ultrex^R delivers exceptional durability in environments where conventional HMPE ropes experience rapid degradation.

Reduced Replacement Frequency

Exceptional durability helps extend service life, lowering maintenance requirements and reducing total cost of ownership.

High Strength-to-Weight Performance

Delivers the strength expected from premium HMPE rope while remaining lightweight and easier to handle in the field.

Specialized Protective Coatings

Advanced urethane coating technology provides additional protection against grit, mud, rough surfaces, load edges and harsh handling conditions.

Engineered for High-Wear Environments

Purpose-built for applications involving dragging, ground contact, repetitive pulls and continuous exposure to abrasive conditions.

Enhanced Longevity

Optimized twist levels and braid angles help reduce internal fiber movement, improving performance under cyclic loading and extending operational life.

Reliable Performance in Harsh Conditions

Designed to maintain consistent performance in demanding industrial environments where durability is critical.

Ultr[®]

Ultr[®] combines the exceptional strength, lightweight performance and durability of standard Ultr with specialized design enhancements that improve grip, holding power and control. Manufactured in the USA using premium Dyneema[®] SK-75 HMPE fiber, Ultr[®] is purpose-built for applications in which maintaining position, reducing slippage and improving handling confidence are critical to operational success.

Designed for marine, towing and industrial applications, Ultr[®] incorporates specialized coating technology that enhances surface friction characteristics while maintaining the high strength-to-weight performance. This unique combination of performance attributes

helps operators maintain better control during mooring, positioning, pulling and securing operations, particularly in environments where rope movement can create safety or operational challenges.



Enhanced Grip for Superior Control and Holding Power

Enhanced Surface Grip

Specialized coating technology increases friction characteristics, helping the rope maintain position and reducing unwanted movement during operation.

Exceptional Cleat-Holding Performance

Engineered to provide a more secure hold on marine cleats, improving confidence during mooring, positioning and towing applications.

Reduced Rope Movement

Improved friction characteristics help minimize unwanted rope movement, increasing operational efficiency and user confidence.

Trusted Dyneema[®] Strength

Constructed using premium Dyneema[®] SK-75 fiber to deliver outstanding strength-to-weight performance without compromising handling characteristics.

Optimized Balance of Grip and Strength

Combines the lightweight, high-performance characteristics of Ultr with enhanced holding power for applications that require additional control.

Confident Handling in Wet Environments

Maintains excellent handling characteristics in marine, industrial and outdoor applications where water, mud or environmental exposure may impact performance.

Improved Control and Stability

Designed to stay where it is placed, reducing slippage and helping operators maintain control during repetitive pulling and securing tasks.



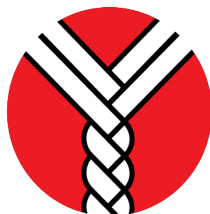


Yale's engineering team works directly with you to understand the unique demands of your industry, equipment, and operating environment. Explore the full Ultrex portfolio and discover the rope engineered for your industry, application and performance requirements.



Scan QR Code
to Discuss your
Application

Yale Cordage
77 Industrial Park Road Saco, ME 04072
www.yalecordage.com
(207) 282-3396



YALE[®]
CORDAGE
A SLINGMAX GROUP COMPANY