



**YALE**  
CORDAGE

# ELECTRICAL UTILITY PRODUCT GUIDE



# About Yale Cordage



Yale Cordage began in 1950 with a belief that synthetic material and high-quality braiding techniques could transform the cordage industry. Rooted in applications engineering, our end-to-end approach allows us to deliver the best products and services customized to solve your unique problems.

**A rope industry leader in expertise and innovation –  
Yale is passion for the pursuit of better performance.**

## Why Choose Yale Cordage?

We never take shortcuts on safety - that's why Yale Cordage is the **brand Utilities and Contractors trust most when there's a lot on the line.**

### We Ask The Right Questions

There's no shortcut to understanding a client's unique application needs, which is why we learn about your project, environment and specifications. Every fiber choice and component has an impact on your rope's characteristics, so the wrong selection could impact your product's performance and - more importantly - your team's safety.

### We Leverage Our History in Fiber Technology

We were the first manufacturer to incorporate new fiber technologies into rope and synthetic cable products, and we maintain our competitive advantage by engineering custom machinery and proprietary processes to take fibers to their fullest potential. Our nearly 70 years of experience in industry innovation is behind every product we recommend.

**"I am always getting positive feedback and high demand for Yale Cordage rope as a result of their superior quality and outstanding performance. They hit all the right notes that this industry demands."**

**Brian Sochocki**

Regional VP of Sales Upper Midwest – American Wire Rope & Sling



**All Yale Cordage products are proudly manufactured in the USA.**



Our selection of winch lines are lightweight, low stretch alternatives to steel winch cables. These ropes offer high tensile strength, low elongation, and a long wear life. We're confident that we can produce the most effective and safest winch line for your application.



## Ultrex Single Braid – 12-strand HMPE

Advanced fiber technologies and engineering provide this product with its superior strength. Ultrex is made with HMPE fiber, one of the most forgiving of the high-modulus fibers, giving it better sheave-cycling capabilities than other high-tech fibers.

- Low stretch
- Zero water absorption
- Light weight allows rope to be set in by helicopter
- Maxijacket HP coating for superior abrasion resistance
- Maintains flexibility even in freezing conditions

### Applications:

- Stringing Line
- Winch Line
- Tow Line
- Underground Pulling Line



## Double Esterlon Double Braid – Polyester Core/Polyester Sleeve

Constructed of premium over finish polyester fiber in both the sleeve and core. Proprietary coating finish allows the fiber to last longer and retain a higher tensile strength over time.

- High performance finish to reduce yarn-on-yarn abrasion
- Low stretch
- Excellent wear life
- Easily spliced

### Applications:

- Winch Line
- Tow Line
- Bull Rope
- Sagging Line



## Portland Braid Double Braid – Polyester Core/ Polyester Sleeve

Built in the same manner as our Double Esterlon, Portland Braid offers consistent performance.

- Low stretch
- Great wear life
- Easily spliced

### Applications:

- Winch Line
- Tow Line
- Bull Rope
- Sagging Line



## Maxibraid Plus Double Braid – HMPE Core / Polyester Sleeve

Maxibraid Plus is expertly engineered and designed to allow for better conversion of fibers, resulting in the extraordinary strength it is known for.

- Provides more abrasion resistance in high-wear applications
- Extraordinary strength, low elongation, and sleeve toughness deliver outstanding control
- Expertly engineered strength and elasticity specifications
- Superior wear life - 100% of load bearing capacity accomplished by the core alone

### Applications:

- Winch Line
- Bull Rope
- Sagging Line

Check out our full catalog of products for all applications at [yalecordage.com](http://yalecordage.com)





# Stringing Lines



Low stretch, high durability, and superior abrasion resistance – these are the characteristics that you'll find in our industry-leading stringing lines. Yale Cordage stringing lines are the first choice for the Utility industry worldwide.



## Ultrax

### Single Braid – 12-strand HMPE

Advanced fiber technologies and engineering provide this product with its superior strength. Ultrax is made with HMPE fiber, one of the most forgiving of the high-modulus fibers, giving it better sheave-cycling capabilities than other high-tech fibers.

- Low stretch
- Zero water absorption
- Light weight allows rope to be set in by helicopter
- Maxijacket HP coating for superior abrasion resistance
- Maintains flexibility even in freezing conditions

#### Applications:

- Stringing Line
- Winch Line
- Tow Line
- Underground Pulling Line



## PE-12

### Single Braid – Polyester

Designed specifically for the Utility industry, this single braid polyester is constructed with high twist and braid angles to improve wear resistance.

- Single-end-per carrier
- Easy to splice
- Field repairs are easy to accomplish

#### Applications:

- Stringing Line
- Pilot Line

**For a similar product performance, ask us about our Pilot Line stringing line!**



## Yalex

### Single Braid – Polyester

A single braid polyester with a 2-ends-per-carrier construction. Coated with our Maxijacket urethane coating for enhanced abrasion resistance.

- Easy to splice
- Maxijacket urethane coating reduces snagging
- Option to color code for application or load rating

#### Applications:

- Stringing Line
- Adjustable Slings



## Uniline

### Polyester Parallel Core – Neoprene Coated Polyester Sleeve

This synthetic cable is the toughest polyester stringing line we offer. Due to the sleeve construction that provides superior abrasion resistance, ropes removed from machines after 20 years of service regularly test at 75% or above the original strength.

- Polyester core and sleeve
- Red neoprene layer is both a barrier and wear indicator
- Parallel core minimizes elongation and galloping
- Fully compatible with TechEye3 and TechJoin3

#### Applications:

- Stringing line
- Underground Pulling Line



## Unitrex

### HMPE Parallel Core – HP Coated Polyester Sleeve

One of Yale Cordage's most unique product offerings – our competitors can't match the construction, fiber, braid angle, or twist angle of this rope. Unitrex is one of the longest-lasting stringing lines in the world.

- Red neoprene layer is both a barrier and wear indicator
- High residual strength properties
- Lightweight
- Suitable for hard line replacement
- Sleeve construction gives superior abrasion resistance
- Fully compatible with TechEye2 and TechJoin2

#### Applications:

- Stringing Line

# Rope Tools



From heavy lifting to terminations to rope repair, our rope tools are designed to make everyday tasks easier. Our rope tools are created with the same precision and technology as our rope lines to solve your unique problems out in the field.



## LOUPS™

Our LOUPS are the lightest and most efficient synthetic slings available for sale, far lighter than steel or conventional round slings. LOUPS™ can be produced as small as 3" in length and as large as 5 million lbs. in tensile strength.

- Minimum 1.1:1 D/d ratio (or bending radius) for Vertical WL
- Less affected by sharp bending radii than larger ropes of comparable strength



## Tandem Stopper

The only recommended temporary midspan termination technique for Unitrex. Packaged to include all necessary materials and hardware for installation.

- Provides best possible attachment point to the connecting sling
- Allows the load to be evenly shared between the two applied Stoppers



## TechEye and TechJoin

Easier to use and install than similar wire products on the market, TechEye and TechJoin repair rope and return it to its full working load in minutes.

- Preassembled synthetic alternative to eye splicing
- Preassembled synthetic end-for-end rope joiners
- Maxijacket coating provides 50% more abrasion resistance
- Only for use on Uniline and Unitrex ropes



## YaleGrip

Pulling and stopping grips are used for electrical line construction work, deployment and retrieval of a variety of cables, and for temporary or permanent strain relief.

- Noncorrosive
- Compact and lightweight design



## Optimus Sling

### Single Braid – Solution-dyed Polyester

Optimus rope is manufactured with a braid angle specifically designed for slings and splicing. This weather and UV resistant rope won't fade from sun exposure or use.

- Adjustable eyes on both ends
- Abrasion-resistant Maxijacket extends service life
- Lifting portion protected by chafe sleeve
- Customized options available

**Looking for a custom solution?**  
**We're ready to help you create the safest,  
most efficient rope for your exact applications.**

**Contact:**

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

**“ Synthetics continue to  
bring better performing  
products to the market to  
solve new challenges, and  
Yale is at the cutting edge  
of those innovations.” ”**  
- Bill Putnam, President

All ropes included in this catalog are available in the below colors  
of Yale Maxijacket and High-Performance Maxijacket (HP).



Red



Blue



Green



Yellow



Orange



Black



Gray



Clear

Stay up to date on Yale news, updates, and key events –  
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