



**YALE**  
CORDAGE

# ARBORIST PRODUCT GUIDE



**Climbing Line Selection:** Climbing lines designed specifically for MRS/DRS (Moving Rope Systems) are subjected to more abrasion than ropes used in Stationary Rope or Single Rope climbing systems. Look for ropes with lower sleeve strand counts and thicker individual strands to ensure the best durability. Not all MRS ropes are suitable for all MRS climbing systems. For instance, 12 and 16-strand ropes tend to work better with a Blake's hitch or Tautline hitch than a 24-strand rope, and a 24-strand rope will work considerably better with mechanical devices such as the ZigZag or Spiderjack.

Climbing lines to be used in SRS (Stationary Rope or Single Rope Systems) should be carefully selected for compatibility with the system being use. Friction based SRS setups can benefit from conventional 24-strand covers, where mechanical climbing systems like a RopeRunner or Akimbo excel on 48-strand climbing lines. Friction is less of an issue in SRS climbing and smoother jackets provide substantial performance benefits over 12 and 16-strand climbing lines. Look for ropes with less stretch, all polyester or moderate elongation nylon cores to improve climbing efficiency. Always match hardware with manufacturer approved ropes, and test hitches for holding ability close to the ground.

## XTC-12

1/2" Polyester/Polyolefin

**Affordable entry-level climbing line suitable for MRS climbing technique.**

- Excellent hand "feel" with its nubby & firm construction
- Easy to handle even with gloves due to large diameter
- Ideal for climbing with a Blake's or Tautline hitch

## XTC-16

1/2" 100% Polyester Kernmantle with twisted polyester core

**A true workhouse climbing line. This offers many of the same characteristics as XTC-12 but with a firmer construction and energy absorbing twisted polyester core, making XTC-16 one of the most durable climbing lines.**

- Excellent snag resistance
- Firm, round construction
- Offered with spliced terminations
- Works well with split tails, Tautline, Blakes, or separate high-tech cord prussic
- All products offered with CE EN1891 Type A Certification

BlackMAX LT

Buzzline

Fire

Spearmint

Plus

White

Pro Stripe

Poseidon

# ARBORIST CLIMBING LINES



## XTC-24

11.7mm High Performance Double Braids

**Our range of 24 carrier products is ideally suited for MRS or SRS climbing with compatible hardware or hitch tending climbing systems.**

### 11.7mm Bluemoon/Arbormax Gator & Flame/Prism/Focus/Arrow Frog

- ANSI Z133 100% polyester climbing lines
- Perfect balance of strength & low elongation
- Compatible with a wide range of both MRS & SRS climbing systems
- This standard (NON CE) version offers lower elongation for a climber who prefers less bounce in either their SRS or MRS systems.

Blue Moon



ArborMax Gator



ArborMax Flame



Prism



Focus



Arrow Frog



## XTC-24 CE

11mm, 11.7mm, and 12mm High Performance Double Braids

**Our 24 carrier CE climbing lines feature modified core constructions to achieve CE EN 1891 compliance. This means CE products will have slightly more elongation than the ANSI equivalent. With their higher elongation characteristics our CE products perform slightly better in MRS Climbing systems. Though they can be used in SRS climbing systems especially when canopy anchored.**

### 11mm Blaze/Bandit

- CE EN1891 Type B compliant climbing lines
- A light weight, high performance option for double rope climbing in taller trees

### 11.7mm Sunburst Orange & Yellow/Blue Tongue/Calamine/Energize

- Similar in size and feel to their ANSI counterparts
- Includes a steam-stabilized Nylon core for climbers requiring CE EN1891 Type A compliant ropes

### 12mm Imori Orange & Green

- Exclusive high-grip cover for improved feel & performance
- Steam stabilized nylon core
- Ideal for hitch climbing systems & lanyards
- CE EN 1891 Type A compliance

Blaze



Bandit



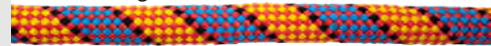
Sunburst Orange



Sunburst Yellow



Blue Tongue



Calamine



Energize



Imori Orange



Imori Green



# ARBORIST CLIMBING LINES



## XTC-48

Polyester/Nylon and heat resistant Technora® Double Braid

**High performance climbing lines with a light weight design featuring an exclusive, ultra-smooth 48-carrier cover. Ideally suited for mechanical climbing systems used in competitive tree climbing.**

### **Kernmaster Code Orange/Code Green 10mm, 11mm, 12mm**

- Classic XTC-48 design with CE EN Type A 1891 certification
- Available in a variety of sizes

### **Kernmaster Phantom Bifrost/Green/Pink 11mm**

- Updated design with red polyester core
- Super-static feel with minimal stretch
- Designed to run smoothly in ascenders, hitches, or SRS devices

### **Scandere Red/Purple/Yellow 11.7mm**

- New and improved design for improved durability
- CE EN 1891 Type A certification with a tougher jacket and firmer construction make this product more versatile than traditional Kernmaster.

### **R.I.N.G. Rope 10.5mm, 11.5mm**

- EN 359 certification for ultra-durable heat-resistant lanyards
- Utilize for ultra-static access line for long climbs or situations where cut resistance is of utmost importance
- Exclusive tri-braid design with red inspection layer, where if the cover is damaged Red – Is – No – Go

Kernmaster Orange Code Green



Kernmaster Green Code Orange



Phantom Bifrost



Phantom Green



Phantom Pink



Scandere Red



Scandere Purple



Scandere Yellow



R.I.N.G. Rope 10.5mm



R.I.N.G. Rope 11.5mm



## Bee Line Hitch Cords

**All Bee Line hitch cords feature a heat resistant Technora® jacket for ultimate durability. Each version of Bee Line can be spliced or terminated with sewn eyes depending on climber preference.**

### **Bee Line Polyester Core 10mm**

- Economical option featuring 50/50 Blended Techora/polyester jacket
- Polyester core provides a firm feel and allows this product to be spliced as a conventional double braid, or sewn

### **Bee Line Vectran Core 8mm, 10mm**

- Premium hitch cord made of 100% heat resistant fibers. Technora jacket is available in tan with black tracers or black with black tracers.
- Vectra core provides highest possible strength & heat resistance
- 8mm version is suited for smaller climbing lines/lighter climbers
- 10mm version is suitable for slightly larger climbing lines/heavier climbers

Bee Line Polyester Core



Bee Line Black



Bee Line 8mm



Bee Line 10mm



**How to Choose a Rigging Line:** Yale Cordage rigging lines are optimized for application specific performance. Choosing the correct rigging line is vital for safety and longevity of your rigging system.

**Dynamic Rigging Configurations:** If you anticipate “dropping” a limb or trunk segment and relying on the rigging line to “catch” the load, this is a classic dynamic rigging scenario. The forces exerted on the system by the log can be as much as 10x the weight of the log. Select rigging ropes with more stretch, high elongation polyester or nylon products, as they are better suited to absorb the energy of a falling object.

**Static Rigging Configurations:** For rigging arrangements where load is applied in a constant and controlled manner, a low stretch, high tensile strength rigging rope will provide more control of the payload. Low stretch ropes have the additional benefit of reduced recoil hazards in the event of rigging failures. Crane removals and pick-off rigging arrangements are examples of static rigging configurations

**Natural Crotch or Block Rigging:** When block rigging is impractical, use hollow braid products, or products with thick braided jackets, to protect against abrasion. Hollow braids are easier to inspect and present more material on the surface to uniformly “distribute” wear and tear. Conversely, when friction is being managed, double braids can offer performance benefits over hollow braids, offering desired stretch characteristics for more precise load control.

## Optimus

12-Strand 100% Solution Dyed Polyester Hollow Braid

**Available Sizes: 3/8" to 7/8"**

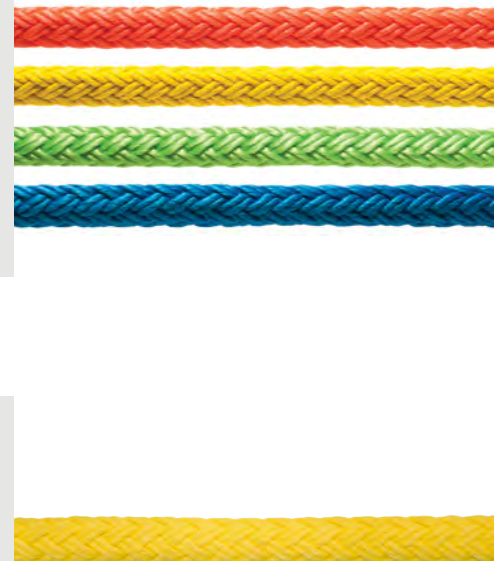
- Engineered for splice-ability & maximum tensile strength for construction
- 100% solution-dyed polyester is fade resistant
- Clear urethane surface finish provides great wear resistance
- Ideal for fabricating adjustable slings, ultra slings, & dead-eye anchors

## Yalex

12-Strand 100% industrial grade polyester Hollow Braid

**Available Sizes: 1/4" to 2"**

- Economical alternative to premium Optimus
- MaxiJacket coating for rugged abrasion resistance
- Ideal for fabricating adjustable slings, ultra slings, & dead-eye anchors



# ARBORIST RIGGING LINES



## XTC-12

1/2" Polyester/Polyolefin

**Affordable entry-level rigging line suitable for natural crotch rigging.**

- Excellent hand "feel" with its nubby & firm construction
- Easy to handle even with gloves due to large diameter

XTC-12 Code Yellow



## Polydyne

High elongation Double Braid, Nylon core and durable polyester cover

**Available Sizes: 1/4 " to 1-1/2"**

- Engineered for the most demanding removals
- Ideal for dynamic removals in conjunction with rigging block
- Superior in enduring shock loading abuse
- Offered with MaxiJacket coating for enhanced abrasion resistance
- Superior resistance to repeated shock loads



## Double Esterlon

High strength 100% industrial grade Polyester Double Braid with low elongation core

**Available Sizes: 1/4" to 2"**

- Intended specifically for static loads
- Less stretch enhances load control in static rigging configurations
- Ideal for pick-offs, ziplines, & other static pulling arrangements
- Offered with MaxiJacket coating for enhanced abrasion resistance



## Portland Braid

Economical 100% polyester Double Braid

**Available Sizes: 1/4" to 2"**

- Economical alternative to Double Esterlon
- Intended for static loading arrangements
- Low-elongation
- Offered with MaxiJacket coating for enhanced abrasion resistance

