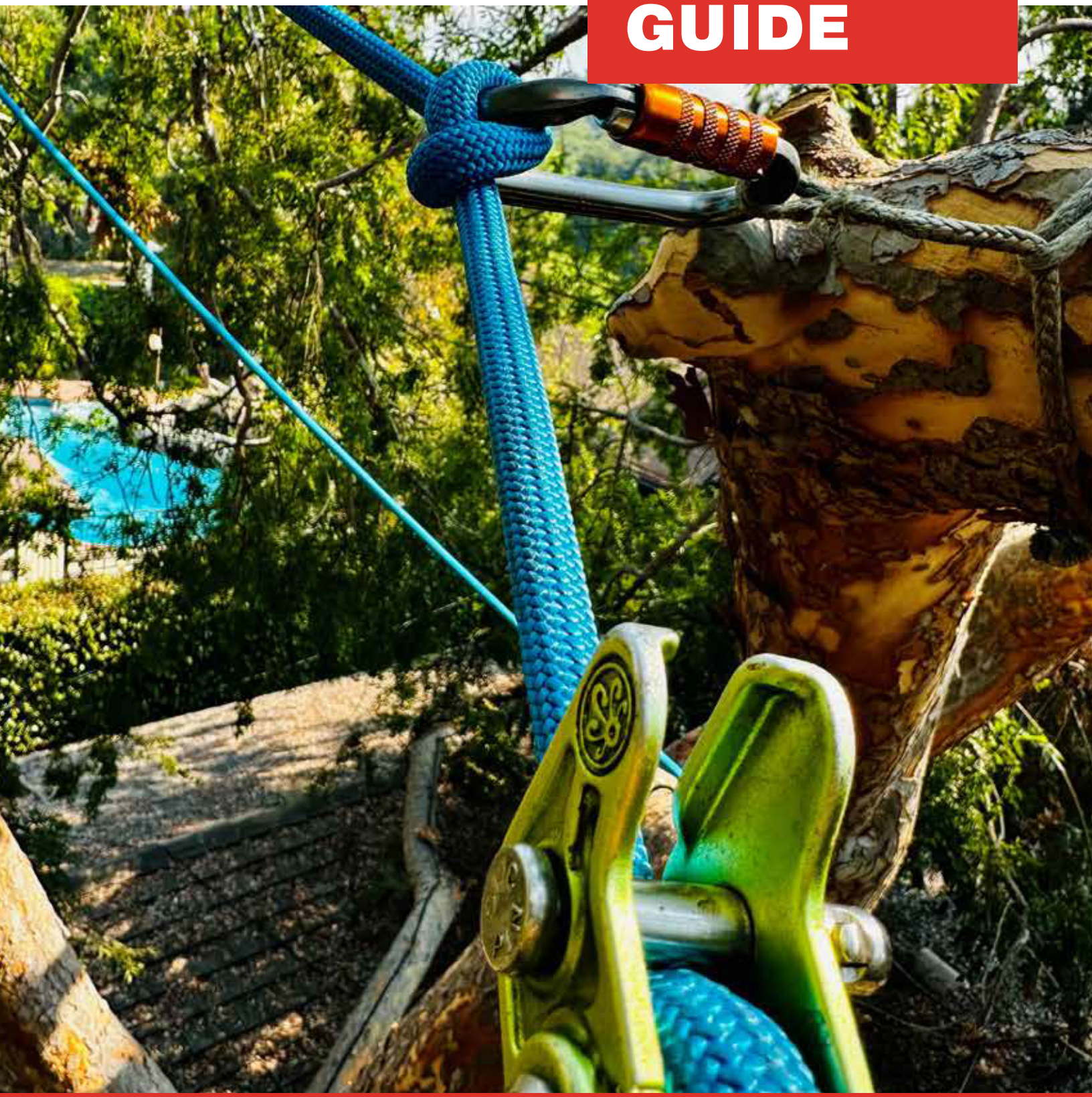
YALE CORDAGE

ARBORIST PRODUCT GUIDE



ARBORIST CLIMBING LINES

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 used. 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
- Buzzzline is made from 100% Solution Dyed Polyester

XTC-12 Code Yellow

Buzzzline

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 B Certification

Fire

Spearmint

Plus

White

ARBORIST CLIMBING LINES

XTC-24 & XTC-24 CE

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/ Prism / 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 of MRS systems.

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

- CE EN1891 Type B compliant climbing lines

11.7mm Sunburst Orange & Yellow / Blue Tongue/Calamine

- Includes a steam-stabilized Nylon core for climbers requiring CE EN1891 Type A compliant ropes

12mm Imori Orange & Green

- Ideal for hitch climbing systems & lanyards
- CE EN 1891 Type A compliance

Blue Moon

Prism

Arrow Frog

Blaze (CE)

Sunburst Yellow (CE)

Blue Tongue (CE)

Calamine (CE)

Imori Orange (CE)

Imori Green (CE)

XTC-32

High Performance Double Braids

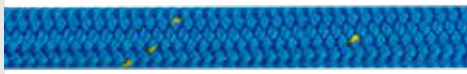
Blue 32 is an arborist climbing rope designed to deliver superior performance. It's 32 carrier construction ensures smooth handling, whether using MRS or SRS climbing systems. XTC-32 offers a static, low-bounce yet flexible feel, while the durable 32-strand cover and braided polyester core offer long-lasting durability.

11.5mm & 11.7mm Blue 32

- Available in diameters: 11.5mm (solid blue), 11.7mm (blue with yellow tracer)
- Patent-Pending full-strength low-profile splice, easily fits through climbing hardware.
- Static, low bounce characteristics. Soft, easy-to-knot construction with a static feel.
- High-performance polyester cover; braided polyester core

Blue 32 11.5mm

Blue 32 11.7mm



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 and SRS climbing (stationary rope system).

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 Green/Pink 11mm

- Updated design with red polyester core
- Super-static feel with minimal elongation
- Designed to run smoothly in ascenders, hitches, or mechanical 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
- 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 Green

Phantom Pink

Scandere Yellow

Scandere Purple

Scandere Red

Explore

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 Technora/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.
- Vectran core provides highest possible strength & heat resistance
- 8mm version is suited for smaller climbing lines
- 10mm version is suited for larger climbing lines

Bee Line Polyester Core

Bee Line Black

Bee Line 8mm

Bee Line 10mm

ARBORIST RIGGING LINES

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

5/8", and 3/4" 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: 1/2" - 7/8" - Additional sizes available upon request

- 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: 1/2" - 7/8"- Additional sizes available upon request

- 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: 1/2" - 7/8"- Additional sizes available upon request

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