

# Pelican Rope Works



*The Finest Braided Ropes Made Anywhere*



Made in the U.S.A.



October 2007



For Complete Product Specifications Visit our Website: [www.pelicanrope.com](http://www.pelicanrope.com)

TO ORDER: 1-800-464-ROPE



## Double Braid General Purpose Ropes

### Nylon (6/6 Type)

**Size (Dia): 1/4" to 1-1/4"**  
**Strength (lbs.): 2,300 to 50,000**

Spliceable braided nylon sleeve over a braided nylon core. This rope meets all requirements of the U.S. Military specification MIL-R-24050-C. Due to its high strength and elongation, nylon is the ideal choice where shock absorbancy is required.



**Colors:** White, Black, Red, Blue, Green, Gold Brown, Burgundy, Purple

### Standard Polyester

**Size (Dia): 3/16" to 1-1/4"**  
**Strength (lbs.): 1,200 to 54,000**

Combines low stretch, high strength and chafe resistance into one rope. Conforms to U.S. MIL Spec MIL-R-24677 and is also available with a urethane coating to enhance abrasion protection and longer life.



**Colors:** White, Other colors, special inquiry.

### VLS™ Polyester

**Size (Dia): 3/16" to 5/8"**  
**Strength (lbs.): 1,200 to 13,500**

Pelican VLS™ braid (Very Low Stretch) is the result of design technology combining low-stretch, high strength and chafe resistance into one rope. Pelican VLS™ conforms to U.S. Mil spec MIL-R-24677 and is available in white, twin markers or solid colors of blue, green, red and black.



**Colors:** White, Black, Blue, Red, Green

### Spun Dacron soft and fuzzy

**Size (Dia): 5/16" to 1"**  
**Strength (lbs.): 2,000 to 20,000**

The low-stretch characteristics and soft woolly surface of this rope offers excellent gripage and is easy on the hands. This is a sound choice to replace manila rope in general stage and counter-weight requirements. An inner braided core of filament polyester and outer braided cover featuring Dupont's type 77 spun Dacron®.



**Colors:** White, Black, Blue, Green

## Double Braid High Performance Ropes

### Krypton-K™ 100% Kevlar Core Polyester Cover

**Size (Dia): 1/4" to 3/4"**  
**Strength (lbs.): 4,000 to 33,000**

KEVLAR - Double Braid utilizes DuPont Kevlar aramid fiber for a super high strength core and Polyester fiber for an abrasion resistant cover. It is widely used to replace wire-rope where extremely low stretch and high strengths are critical.



**Colors:** White with Double Yellow Markers

### Krypton-T™ 100% Technora® Core Polyester Cover

**Size (Dia): 1/4" to 3/4"**  
**Strength (lbs.): 4,600 to 40,000**

KRYPTON-T is one of the newest and highest strength double braid ropes available today. 100% TECHNORA® core with an abrasion resistant 100% polyester cover. Near zero stretch and creep, plus high strength allows downsizing to save weight. Works well around sheaves and turning blocks D/d 8:1



**Colors:** White with Yellow and Red Markers

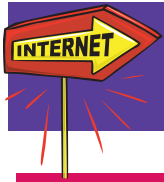
### Krypton-D™ 100% Dyneema® Core Polyester Cover

**Size (Dia): 1/4" to 3/4"**  
**Strength (lbs.): 4,750 to 40,800**

Pelican Rope Works KRYPTON-D consisting of a polyester sleeve covering a braided Dyneema core ( a unique high performance UHMPE). Extremely high strength. Virtually no creep. Excellent flex/fold characteristics.



**Colors:** White with Red and Blue Markers



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## 12-Strand Single Braid High Performance Ropes

### Kevlar® 12 Strand

Aramid Fiber

Size (Dia): 1/8" to 1"

Strength (lbs.): 1,500 to 78,000



COLOR: Yellow

This aramid fiber rope has more strength pound- for-pound than steel. A 100% KEVLAR 12-Strand SINGLE BRAIDED rope that offers advantages over steel wire rope. Low stretch, high strength and easy to splice. Not recommended for use over pulleys or flexing applications.

### Dyneema® 12 Strand

Size (Dia): 1/8" to 1"

Strength (lbs.): 2,200 to 110,000



COLOR: Urethane Coated Blue

An Ultra High Molecular Weight Polyethylene Fiber (UHMWPE)

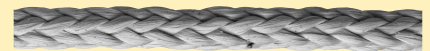
DYNEEMA® 12-Strand ropes are extremely strong, minimal stretch, near zero creep, very good abrasion resistance, easily spliced and will float. Pound for pound - 15 times stronger than steel; 33% lighter than Nylon; over three times the strength of Polyester or Nylon. A unique high performance UHMPE fiber. All DYNEEMA Ropes are light blue urethane coated for extra abrasion resistance.

### Technora® 12 Strand

Aramid Fiber

Size (Dia): 1/8" to 1"

Strength (lbs.): 2,750 to 97,000



COLOR:  
Urethane Coated Dark Gray

Technora is one of the newest and highest strength fibers available. Stronger than steel with very low stretch and no creep. Excellent abrasion resistance and works well around sheaves and turning blocks. Technora ropes are Urethane coated.

### Polyester 12 Strand

Size (Dia): 1/4" to 1"

Strength (lbs.): 3,000 to 35,000



COLOR: White (other colors available)

The highest strength and lowest stretch of all Polyester ropes. Torque-free, will not kink or hockle. Easily spliced

## Safety & Rescue Ropes



### Static Kernmantle

Nylon 6/6 - U.L. Approved

Size (Dia): 3/8" to 5/8"

Strength (lbs.): 6,500 to 13,000



Block Creel Static Kernmantle construction. These life lines are among the finest for fire and rescue services. Ropes feature a Polyester cover over a Nylon core and are firm and flexible enough to be tied. This rope features resistance to most chemicals and has excellent retention in extreme conditions. Ideal for safety, rescue, climbing and rappelling ropes. These ropes are treated to minimize outer cover "milking".

COLORS: White with Orange Markers. Blue, Lime, Yellow, Orange, Red with White markers and Solid Black

### Prusik Cord

Size (Dia): 1/4" and 5/16"

Strength (lbs.): 6,200



5/16" Dia. Technora: 6,200 lb. tensile strength. Very high heat and abrasion resistance. A high performance Technora cover over Polyester core. Technora aramid fiber will not melt or degrade, even at extreme temperature..

1/4" and 5/16" Dia. Composite Braid: Constructed of 16-strand braided composite Polyester over Nylon parallel core. This rope features excellent holding power when tying Prusik knots.

COLORS: Available in White, Red, Blue, Yellow & Black

### Water Rescue Rope

with Dyneema® fiber

Size (Dia): 1/4" to 3/8"

Strength (lbs.): 2,200 to 4,650



COLOR: Bright Yellow with Red marker

Pelican's Water Rescue Rope is an extremely light, no-stretch braid featuring blended Dyneema core and lightweight polypropylene cover. This is a high-strength, no-stretch fiber that meets the needs for coastal and river rescue applications. Constructed with Dyneema® composite core and a multifilament polypropylene cover, this rope floats and has almost zero water retention.



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# Arborist Ropes & Equipment



## Climbing Ropes

**1/2" 16-Strand Braided Cover over Parallel Core • Tensile Strength 8,260 lbs.**

This rope features a non-rotational construction that leads to fewer snags and minimal abrasion for longer rope life. A high strength Polyester over Nylon composite rope with minimal cover milking.

**3/8" • 7/16" • 1/2" • 5/8" Dia. • Static Kernmantle • Tensile Strength 6,500 to 13,000 lbs.**

Block Creel Static Kernmantle construction. These life lines are among the finest for fire and rescue services. Ropes feature a Polyester cover over a Nylon core and are firm and flexible enough to be tied. This rope features resistance to most chemicals and has excellent retention in extreme conditions. Ideal for safety, rescue, climbing and rappelling ropes. These ropes are treated to minimize outer cover "milking".



**Bull Ropes Double-Braid Composite For Tree Limb & Equipment Lowering**

**Size (Dia): 1/2" to 3/4" Strength (lbs.): 10,050 to 25,730**

Double-braid composite construction of Polyester cover over Nylon core for higher tensile strength. Better suspension loading and shock load performance. Bright urethane color coding for extra abrasion resistance.



## Prusik Lines

**Size (Dia): 1/4" and 3/8"**

5/16" Dia. Technora: 6,200 lb. tensile strength. Very high heat and abrasion resistance. A high performance Technora cover over Polyester core.

1/4" and 5/16" Dia. Composite Braid: Constructed of 16-strand braided composite Polyester over Nylon parallel core. This rope features excellent holding power when tying Prusik knots.



**Dead Eye Tree Slings Hand-spliced eyes • Urethane Coated**

**Size (Dia): 5/8" to 3/4" Strength (lbs.): 15,320 to 25,730**

Double-braid/composite construction of Polyester cover over Nylon core for higher tensile strength and better shock load performance. Urethane coated for abrasion resistance. Used to secure (cow hitch) a block creating a false tree crotch in conjunction with a bull rope.



## Lanyards, Split Tails & Flip Lines

**Adjustable Safety Lanyards** Polyester rope, double-braid or 3-strand, in 1/2" and 5/8" dia. Adjustable sizes: 4-7 ft. and 7-10 ft. Includes 5,000 lb. test double-locking steel safety snap hook.

**Beranek Lanyard** Hand-spliced 1/2" and 5/8" dia. double-braid with a double-locking safety snap hook. The bitter end is back-spliced or available with thimble eye. Standard sizes 8' and 10'.

**Two in One Lanyard** Two-in-one rope safety lanyard made of 1/2" 3-strand polyester with double-locking safety snap hooks; includes Prusik runner.

**Flip Lines** Made with 1/2" dia. double-braid polyester (non-wire) with hand-spliced eye and 5,000 lb. test double-locking safety snap hook. Available in 8', 10' and 12' lengths.

**Split Tails** 1/2" dia. Double-braid Polyester in 5 ft. lengths with small hand-spliced eye. Also available with thimble eye opposite end.

Colors: Blue/White, Orange/White and new High Visibility Yellow/Black



## Wolf Claw™ Tree/Pole Climbing Spur Harness

The WOLF CLAW™ Pole & Tree Climbing Harness is engineered with today's super strong, light weight materials including high impact nylon and 4130 steel. The three position WOLF CLAW™ pole climbing gaff is heat treated stainless steel. Professional climbers who have experienced a test climb with the WOLF CLAW™ have responded with amazement at the WOLF CLAW™'s comfort and ease of use. As a professional, it's time you discovered the best climbing harness money can buy.





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## Specialty Ropes

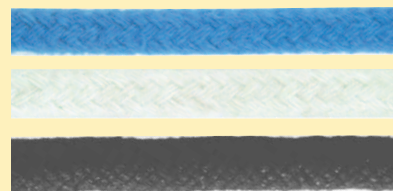
### Theatre & Stage Ropes

Spun Dacron® (Soft Fuzzy Cover)

Size (Dia): 5/16" to 3/4"  
Strength (lbs.): 2,000 to 14,000

The low-stretch characteristics and soft woolly surface of this rope offers excellent gripage and easy on the hands. This is a sound choice to replace manila rope in general stage and counter-weight requirements. 100% Polyester braided cover over Polyester parallel core.

COLORS: White or Solid Colors: Blue, Green, Gold or Black



### Glow-in-the-Dark Ropes, Cords & Webbing

Nylon • Polyester • Polypropylene

Size (Dia): 1/16" to 1"

These one-of-a-kind phosphorescent ropes and webbings emit a glow at night or any dark location (caves, underwater etc.). When charged by any kind of light, the ropes will glow up to 8 hours (diminishing as time passes). Not a coating-will not rub off.



## Electrical Pulling Ropes

### Double-Braided Electrical Cable Pulling Ropes Stringing & Winch Lines

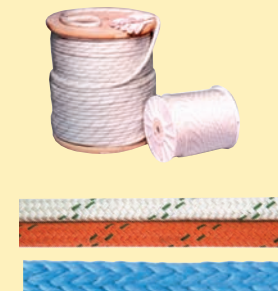
Size (Dia): 1/4" to 1-1/8"  
Strength (lbs.): 2,600 to 49,925

Composite Fiber Construction • Hand-spliced eye - both ends with chafe-guard

These HIGH FORCE braided ropes are sold throughout the U.S. and are preferred by the experienced professionals. With shock absorption properties similar to nylon and a higher tensile strength than either nylon or polyester, this rope offers even balance and excellent resistance to abrasion, sunlight and most common chemicals.

Dyneema® Fiber 12-Strand Construction

DYNEEMA® 12-Strand ropes are extremely strong, no-stretch, near zero creep, very good abrasion resistance. Spliced eyes and Urethane coated Blue.



## Marine Ropes

### VLS™ Polyester Yacht Braid

Size (Dia): 3/16" to 5/8"  
Strength (lbs.): 1,200 to 13,500

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### Anchor Lines White with Blue Marker • 2-in-1 Double Braided Nylon

Size: 3/8" to 1"

Pelican's braided Nylon Anchor Lines offer a significant superiority over 3-strand ropes. Stronger, more resilient and will not kink or hockle. One end is eye-spliced over a heavy-duty STAINLESS thimble.



### Dock Lines

2-in-1 Double Braided Nylon

Pelican's Braided Dock Lines are made with tough nylon fiber and are stronger and more resilient than three-strand twisted ropes. Each line includes a professionally spliced 12-inch eye.

Size: 3/8" to 1"

Colors: White, Blue, Black, Navy, Red, Green



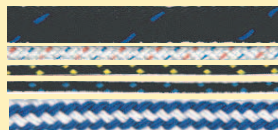
**ASK ABOUT OUR NEW  
GLOW-IN-THE-DARK LINES**  
Glow-in-the-Dark applications:  
Dock Lines, Halyards & Jack Lines



### Sailboard Ropes

Size: 5/32" to 1/4"

High Performance Control Lines (inhaul, downhaul & harness) offer the ultimate in a low-stretch, strong, cleat holding line. Pelican also offers Uphaul Lines which are 2-color hollow braid polypropylene for flotation and softness. Easily accommodates a bungee cord through center. Other applications include Righting Line for catamarans and Grab Lines for inflatable rafts.





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## Accessories



### Electric Rope Cutter Hot Knife

For work bench or wall mount. Simultaneously cuts and seals synthetic ropes up to 1" in dia. Built for continuous use. Extra blades available.



### Rope Counter

An accurate, easy to use measuring machine for 3/16" to 1" diameter ropes. Features a re-setable meter which reads in feet and inches.

## Fiber Characteristics

FIBER TYPE →	NYLON	POLYESTER	POLYPRO	KEVLAR	SPECTRA	TECHNORA	VECTRAN
Strength (Grams/Denier)	7.5 - 10.5	7 - 10	6.5	18 - 29	25 - 35	28	22 - 27
Specific Gravity (Water = 1.00)	1.14	1.38	0.91	1.44	0.97	1.39	1.40
Elongation %	15% - 28%	12% - 18%	18% - 22%	1.5% - 4.4%	2.8% - 3.9%	4.6%	3.3% - 3.6%
Critical Temp. (F)	300°	350°	200'	400°	150°	350°	300°
Abrasion Resistance	Very Good	Very Good	Fair	Fair	Excellent	Good	Very Good

**At Pelican Rope, First Class Quality and Exceptional Value is our Standard**



At Pelican Rope we do one thing. We make braided synthetic rope products-Period. We do so with state-of-the-art braiding equipment and first quality materials throughout at our facility in Santa Ana, California. We produce premium double-braid rope, beautifully balanced between the outer sleeve and inner core, giving it the optimum of strength, low stretch and resistance against abrasion and ultraviolet rays. Compared to other ropes on the market that are made with continuous braider's splices (little knots), our ropes are produced virtually knot-free, allowing for tremendous ease in splicing and superior strength.

October 2007

## Pelican Rope Works

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