

# **BREAK**AWAY

RELEASE LINK

## **User Guide**

Anti-Entanglement  
Release System

**CoastLine**  
CORDAGE GROUP





# Warnings

- You could be seriously injured if you do not read and understand this booklet before using the product.
- Specialized training and knowledge are required to use this product.
- You must thoroughly read, understand, and refer to all manufacturers instructions before and after each use of this product.
- Before using this Break-Away Release Link the user is responsible for determining whether links are suitable for the intended use and their compatibility with all the hardware on board your vessel.
- Do not make any alternations to the product in any shape or form. If any alterations are to be found on any of CoastLine Cordage Group Ltd products, this will immediately void the warranty.
- Use and inspection of this product should only be carried out per the CoastLine Cordage Group Ltd instructions. Inspections should only be conducted by an individual deemed by the employer to be competent for all tasks required. Please note, that inspections should be conducted by qualified person before and after each use
- CoastLine Cordage Group Ltd are not responsible or liable in any way for damages of any nature, injury or death resulting from direct or indirect incidents related to the use of its products.
- Please do contact CoastLine Cordage Group Ltd at 902-835-2253 for us to answer any additional questions regarding safety information and the use of this product.



# Caution

## About Your Personal Safety

- Your personal safety is essential for the intended use of this rope. You are responsible for your safety. CoastLine Cordage Group Ltd strives to build the most reliable, safest cordage products. With this said, it is entirely up to the user to be responsible for the use of this rope, safely!
- The individual decisions influence your personal safety you make. Please take the time to read and understand these instructions. Talk with your team members about the potential risks of not using this rope appropriately. Seek training you need for your application. As you are well aware commercial fishing environment is a potentially dangerous one.
- Obtaining proper training, well-maintained equipment with a very high personal commitment to safety will dramatically reduce the risks and danger working at sea. Please do not be complacent. Inspect and record your Break-Away Release Link prior to use. Your family, your teammates, deckhands and Captain and you will all appreciate your following this guide.
- Activities involving the use of Break-Away Release Link are inherently dangerous. Such activities include but are not limited to; hauling and positioning pots and nets.
- Individually you are responsible for your actions and decisions. If you do not accept this responsibility or in any way feel your judgment may be impaired, DO NOT use this Break-Away Release Link. Do not use this product if the product is re-sold outside the original country of destination; the reseller shall provide instructions for use, maintenance, inspection, and repair in the native language in the Country in which the product is intended to be used.
- Please keep your link away from any source of direct heat. This includes direct flame impingement or abrasion.
- Be aware of any dangers that may arise from the use of combinations of items of multiple pieces of equipment in which the safe function of any one item is affected by or interferes with the safe capacity of another.
- The user should be aware of any medical conditions that could directly affect the safety of the user in routine and emergency use.
- Connections should be used within the stated limitations and compatibility of the surrounding components.
- This Break-Away Release Link is intended to be connected through terminal stitch links with an eye splice.

# About Your Rope

CoastLine Cordage goes to great lengths to make the best rope in the world, maintain a high-quality assurance standard, and provide you with the maximum amount of information possible. The rest is up to you. Your safety is your responsibility. Please take it seriously. We at CoastLine do. Please arrive home safely and may you have a prosperous season.

CoastLine kernmantle Break-Away Release Link is a 7/16" (11mm) constructed with a continuous parallel twisted core of 9.0 grams per denier High-Tenacity Polyester and a covering material of red Multi-Filament Polypropylene. The covering material is protected with 2% Ultraviolet stabilized treatment braided on a 16 carrier "S" & "Z" twist pattern specifically designed to increase grip for the operator and to pass through haulers more efficiently. This product is extremely durable and will provide more stability and will last for many seasons. There is minimal stretch with an average of 10-12% as well as minimal slippage in haulers.

This product is designed to work with all existing Commercial Gear while mitigating Marine Mammal Entanglements.

All products of CoastLine Cordage Group are finely balanced to prevent spin under load and to provide consistent strength and elongation performance. The braided sheath offers protection to the inner load-bearing core from salt, dirt and more importantly abrasion.

A Transparent Marine Grade 3:1 adhesive lined wrap has been added to protect the rope and stitching from wear and the harsh marine working environment. This material is rated for -55 degrees Celsius to +135 Celsius.

Located on each length of the Break-Away link is two engineered eye splice stitching that consist of a break strength of +/- 10% of 1,700 lbs. The two Break-Away links ensure double the protection as an anti-entanglement system. The rope "in between" the terminal points have an average tensile strength of 4,750 lbs. The terminal STITCHES is where the rope would part way should a marine dwelling mammal make contact with the vertical line. Ensuring the mammal can not become entangled and continue on.

A wide variety of accessories may be safely used with these ropes. DO NOT USE any accessory with these ropes if you are not confident that it will be safe.

Proper training and practice using the items on the rope in a safe environment is necessary.

Training, education, and experience are essential to calculating and using appropriate safety factors and to using equipment safely. Establishing and evaluating the safety factor will differ with every situation and even throughout a given rope operations.

It is your responsibility to acquire the appropriate training and experience to understand and apply such subjective concepts.





# Inspection

Perform a visual and tactile inspection on your rope to verify it is in a serviceable condition before and after each use. See

“Inspecting Your Rope” Form. Ensure that everyone using the rope has the proper training and knowledge to do so and fully understands its performance capabilities and limitations as they relate to your application.

Protect your rope from anything that might damage it, such as abrasion, heat, and chemicals. A metal roller, a cloth pad, or other items should be placed between the rope and any sharp edges. Avoid contact between moving textiles (rope or webbing) and stationary textiles.

Friction between textiles can quickly melt through the fixed part. Do not expose rope to flame or high temperature, or direct flame impingement. Carry rope where it will be protected as the rope could melt or burn and fail if exposed to flame or high temperatures.

Be aware of hazards which may affect the performance of your rope such as extreme temperature, trailing or looping of lifeline over sharp edges, chemical reagents, electrical conductivity, cutting, abrasion, climactic exposure and pendulum falls.

Pay attention to liquids, solids, gases, mists, or vapors of any chemical or other material that can deteriorate this rope.

The diameter of the rope you have selected will affect not only the minimum breaking strength, but also abrasion resistance, handling characteristics, weight per foot, and what auxiliary equipment you may be able to use. Be sure that any equipment you intend to use with this rope is in fact compatible.

# Unpacking Your Rope

1. Open the box carefully, so as not to damage the rope.
2. Inspect your rope right away. Make sure that it is exactly what you ordered and that it is in the same excellent condition as when CoastLine shipped it.
3. Retain and keep the product labels and user instructions with the rope after removing them from your rope in the permanent rope record. Copy the label and user instructions and keep the copies with the rope.
4. Remove the link from the box and unroll it.
5. Take a moment to familiarize and educate yourself about your rope. Note such things as strength, diameter, elongation, length, and fibers.
6. Please refer to the user instructions/information before and after each use. If the instructions/information are not followed, the user of this rope could suffer serious consequences!
7. Contact CoastLine Cordage Group Ltd IMMEDIATELY if you have any questions or concerns about your rope.

# Maintaining Your Rope

Keep your rope clean using the guidelines provided in this booklet. Dirt rubbing into and against the fibers of your rope will deteriorate it.

Store your rope in a clean, dark, dry environment. Keep away from exposure to chemicals, noxious fumes, and other harmful agents.



# Retiring Your Link

**IMMEDIATELY RETIRE** any link whose strength or integrity may have been compromised during use.

**IMMEDIATELY RETIRE** any link which is subjected to uncontrolled or excessive impact loading.

**IMMEDIATELY RETIRE** any link whose history and past usage you are uncertain about.

**IMMEDIATELY RETIRE** any link that has been exposed to heat, direct flame, or excessive abrasion.

**IMMEDIATELY RETIRE** any link that has visible damage.

**IMMEDIATELY RETIRE** any link that has been exposed to liquids, solids, gases, mists, or vapors of any chemical or other material that can deteriorate rope.

**IMMEDIATELY RETIRE** any link that does not pass inspection when inspected by a competent person following the inspection procedures in these instructions, both before and after each use.

**IMMEDIATELY RETIRE** and plan when there is any doubt about the safety or serviceability of the rope.



# Splicing Your Rope

## How to splice the Break-Away Release Link to a 3-Strand Twisted Rope

The below directions outline how to splice your Break-Away Release Link rope with your buoy line. All ropes should be inspected for wear and damage before each use by a competent person following the manufacturer's inspection procedures.

### Tool & Materials Required

- Splicing fid
- Ruler
- Vinyl tape or heat knife
- Marker
- Scissors or sharp knife
- Thimble (Optional)

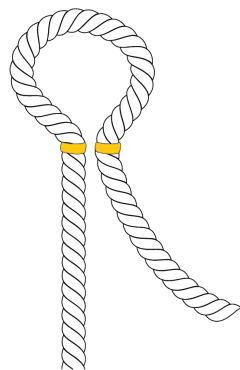
### IMPORTANT

Insert Break-Away at the desired spot of the eye splice **BEFORE** the first tuck of the eye splice.

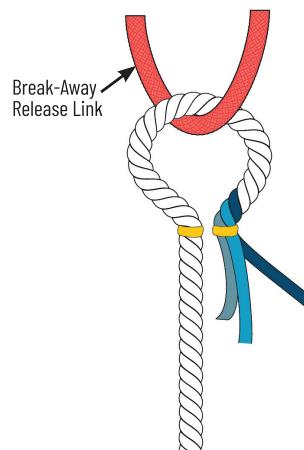
Once the eye splice is finished in your buoy line, there is no method to install the Break-Away Release Link inside the spliced eye afterwards.

**1** Unlay the rope for 2-3 inches (50-75mm) and tape (or cut with a hot knife to seal the end) tightly each of the 3 strands of the untwisted rope. Tape tightly the point where the unlaying stops. The rope is untwisted for a distance equal to three times the diameter for each "tuck".

**EXAMPLE:** for five tucks in 1/2" (12mm) rope, unlay the rope about 7.5" (190mm).



**2** To form the "eye" add the length of rope that when looped into an eye, results in the desired finished eye diameter. Tape again firmly at that point. Bend the standing end of the rope from left to right. Bend following the natural bend of the rope so as not to put any twist into the eye or the splice.



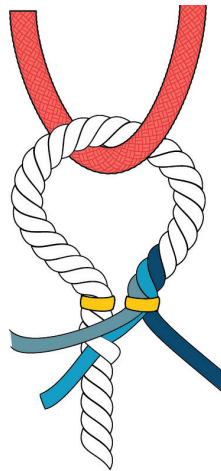
Try to not have the strands untwist as it will make the next steps easier.

Make sure the Break-Away Release Link is in a position so that the eye of the Break-Away Release Link is inside the eye of the 3-strand buoy line.

3

To do the 1st tuck, lift a strand just below the tape on the stranding part of the rope and insert the middle working strand under it. You can usually do this with your fingers, but if the rope is a very hard lay a splicing fid will make this task easier. Insert the strand or splicing tool under the strand and pull through.

When you pull through the first “tuck”, place a 1 on the strand you just tucked. Numbering each strand will help in keeping track of the strands as you finish the splice.

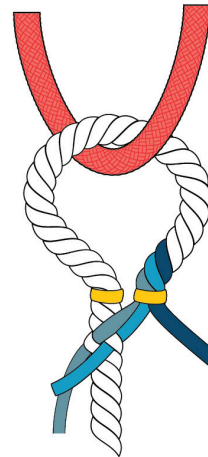


Again, make sure the Break-Away Release Link is located in a position so that the eye of the Break-Away Release Link is inside the finished eye of the 3-strand buoy line.

4

Tuck the next working strand over the strand you just tucked under, and under the strand just below it.

Mark this strand with a 2. The two tape marks should be aligned when forming your eye. This completes the first set of tucks.



5

Flip the entire piece of rope over. You have one working strand left to tuck, and there is one strand left in the standing part of the rope that doesn't have a working strand under it. Make this tuck, continuing to work counter to the lay, or twist, of the rope. Mark with a 3.



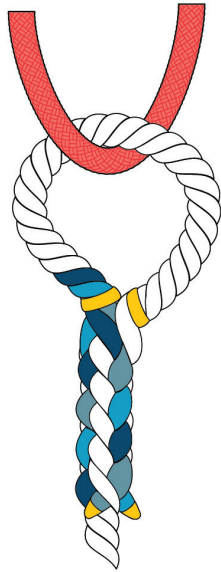


**6**

The 1st round of the tucks is now finished; pull all three strands tight, if necessary, by pulling on each of the working strands independently.

Make sure you tuck under a strand that does not already have a tuck underneath it.

Make six more rounds of tucks. The more tucks, the better the splice and a smoother, more streamlined splice will be achieved.

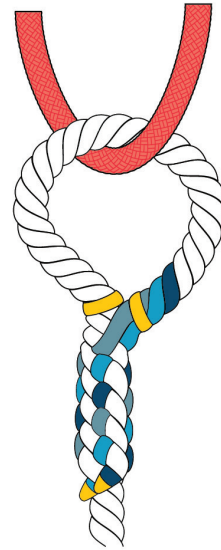


**7**

Now that YOUR splice is completed and the Break-Away Weak Link is installed, make sure all ends are pulled tight and then melt the loose ends of the rope, leaving a short length.

The short length will be drawn into the rope once it is pulled upon a few times.

It can be trimmed further after it has been pulled on a few times.



# Inspecting Your Rope

## Before You Start

Refer to these instructions for proper procedures before and after each use. All ropes should be inspected for wear and damage before each use by a competent person following the manufacturer's inspection procedures defined below. The rope must be inspected before and after each use. If it hasn't been inspected, please don't use it. Always inspect the entire length of the rope, even when you don't use all of it. Bear in mind that it is difficult to inspect wet rope. It's best to dry it first before the inspection takes place. Let one person complete the entire inspection of one rope. Don't put this job between two people as they might miss something very important. Regardless of use, inspection frequency should be once in every six months.

Please contact us if you have any questions regarding your life safety rope.

**CoastLineGroup.ca**  

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**Email** [quality@coastlinegroup.ca](mailto:quality@coastlinegroup.ca)

## How to Inspect Your Rope

**LOOK AT ALL OF IT** - Start at one end and look at every inch of the rope. Watch for signs that might indicate possible damage such as discoloration, chemical odors, abrasion, cuts or nicks in the outer sheath and visible differences in the diameter of the rope in one area about the rest of the rope.

**WRAP IT IN SMALL LOOPS** - Wrap the rope around your hand to form small loops at different random points along the ropes length. Look at these little circles as you make them, the consistency of the loop should be uniform throughout. If it is not, you might have a problem with the core of the rope.

**FEEL THE ROPE** - While you are looking at every inch of the rope, run it through your bare hands and feel it for changes that might indicate damage to the core. Modifications may include rope diameter, soft spots or very stiff parts of the rope.

**IF IN DOUBT, THROW IT OUT** - If you are unsure about the integrity of a rope please don't use it. Consult CoastLine if you need help. Make a note on the Rope Log every time something happens to the rope including usage, inspection, cleaning, drying, modification or if problems are to be noted.

## Visit us online

Check out our website for updates about Break-Away Release Link and to watch Break-Away in action!

[break-away.ca](http://break-away.ca)







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