

BlueWater Ropes

◆ SPECIFICATIONS ◆

EN 1891 ◆◆ C€ 0086

11mm (7/16 inch) SAFELINE

Type A Low Stretch Kernmantle Rope
Nylon and Polyester

Diameter: **10.9 mm** *

Static Strength: **37.3 kN (8,385 lbf)** *

Elongation: **2.1% at 150 kg (331 lb)** *

Mass Per Unit Length: **79 g/m**

Sheath Slippage: **4 mm** - Shrinkage: **2.4%**



Outer Sheath total mass: **47%** - Core Mass: **53%**

Length: **150ft 200ft 300ft 600ft Other** _____

C€ Signifies conformity to the European directive.

This product conforms to EN1891:1998 and EN365:2004

0086 - # of the Notified Body (BSI PO 6221 Kitemark Court, Davy Avenue,
Milton Keynes, MK1 9EP)

EC type examination done by: [0082] APAVE SUDEUROPE SAS. BP 3-33370
ARTIGUES près BORDEAUX- France

*Test Results per EN1891 Type A testing methods

WARNING: *Mountaineering is a potentially hazardous sport. Any person Using BlueWater equipment in any manner is personally responsible for learning the proper techniques involved, assumes all risks, and accepts full and complete responsibility for any and all damages or injury of any kind, including death, which may result from the use of any BlueWater equipment. For instructions on the use of this product contact the American Mountain Guides Association (AMGA) at Phone 303-271-0984 • www.amga.com • info@amga.com*

*Failure to follow these warnings can result in severe injury or death to user and/or bystanders.

It is the dealer/distributors/retailer's responsibility to inform purchaser of this warning.

209 Lovvorn Road • Carrollton, GA 30117-3617

Phone: (770) 834-7515 • Fax: (770) 836-1530

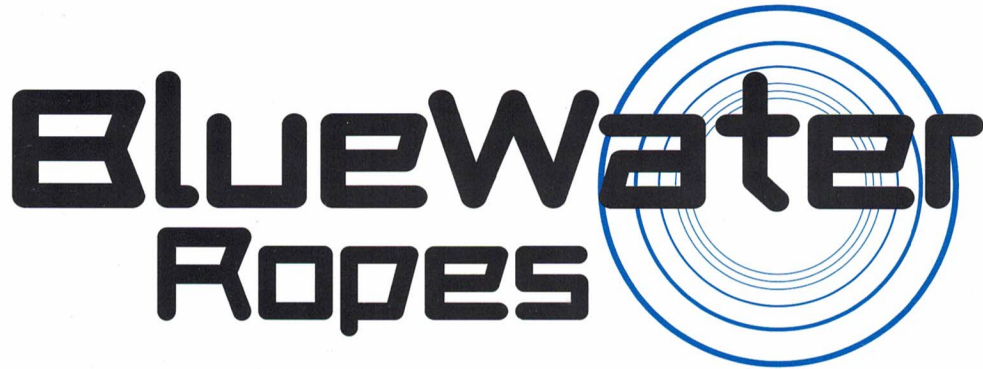
www.bluewaterropes.com • e-mail: info@bluewaterropes.com

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209 Lovvorn Road
Carrollton, Georgia 30117-3617



PLACE
STAMP
HERE



www.bluewaterropes.com
email: info@bluewaterropes.com

Thank you for choosing BlueWater Ropes. We at BlueWater take great pride in all our products. Choosing our products means a great deal to us and we appreciate it. To help us to continue providing top quality products to you, please complete the attached card and return it to us. We respect your privacy and do not tolerate spam and will never sell, rent, lease or give away your information (name, address, email, etc.) to any third party. Nor will we send you unsolicited email. Thanks again for choosing our products!

WARRANTY: BlueWater products are guaranteed to be free from defects in materials and workmanship for the useful life of the product. This warranty does not cover normal wear and tear or abuse due to improper use or modification of the product. Accordingly, BlueWater will repair or replace, at no charge, any defective product returned to us. BlueWater reserves the right to inspect equipment prior to any warranty determination. These terms apply to the original purchaser only. Please contact your local BlueWater dealer or call us at 770-834-7515 for return instructions.

Visit our website at www.bluewaterropes.com
email: info@bluewaterropes.com

Last Name: _____ Male _____
First Name: _____ Female _____
Address: _____ Age: 0-18 _____
City: _____ 19-25 _____
State: _____ Zip: _____ 26-30 _____
Phone: _____ Email: _____ 31+ _____
Product: _____
Store Name: _____
Purchase Date: _____ Intended Use: _____

Is this your first purchase of BlueWater product? Yes _____ No _____

Indicate your preferred method to shop for BlueWater. Online _____ Store _____

If you use static or dynamic rope professionally check the area below.

Firefighting _____ Rescue _____ Industrial _____ Tactical _____

Other (Please specify): _____

From what type of dealer did you purchase this product?

Retail Store _____ Climbing Gym Store _____ Internet / Mail Order Company _____

Check the 3 greatest for choosing our product. The top 3 reasons ONLY please.

Person's Suggestion _____ Color Pattern _____ Performance _____

Design _____ Price _____ Company Reputation _____

Other (Please specify): _____

How did you learn about our product?

Ads _____ Store Clinic _____ Training Outfit (Guides, Rescue, etc.) _____

Friend's Suggestion _____ Store Employee Suggestion _____ Internet _____

Other (Please specify): _____

Check the types of climbing you enjoy regularly.

Big Wall _____ Ice _____ Traditional _____ Bouldering _____ Sport _____

Check how often you climb in gyms.

Never _____ Sometimes _____ Exclusively _____

May we contact you for a more in depth survey? Yes _____ No _____

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If this rope is used in situations where a fall arrest may occur a full body harness must be incorporated into the safety system to protect the user and bystanders.

Avoid open flame and high temperatures. Do not expose any rope to flame or high temperature as it will melt or burn causing rope failure. Carry and store the rope so it is protected against flame or high temperatures. The melting point of type 6 nylon is 419 to 430 degrees Fahrenheit. The melting point of polyester is 500 degrees Fahrenheit.

All equipment must be inspected by a qualified person before and after each use. Ropes must be inspected visually and manually [with bare hands] along every inch of its length. It is the user's responsibility to know the history of his / her rope and make the decisions as to when a rope must be retired. **The manufacturer cannot guarantee the specifications of a used rope.**

Periodic inspections must also be initiated at intervals of no more than 12 months. These periodic inspections are intended to maintain the highest degree of safety for the end users and for the reliability and durability of the equipment. Inspections should take into account changes in safety requirements for which the rope is intended. These can be either performance or marking[s] related. Markings must always be checked for legibility as well as determining if the rope meets current specification criteria in place at the time of inspection. Other factors to consider during this periodic inspection are frequency of use, and environmental conditions for use[s] storage conditions and history based on Use Log entries. Periodic examinations must be conducted by a competent person instructed to perform this duty.

Records must be kept for the equipment. The records must contain the following details:

- Product name and model.
- The manufacturer name and contact information.
- Means of identification of the specific product.
- Year of manufacture, in service date and target date when the rope must be removed from service.
- Lifetime expectancies based on use frequency.
- History of inspections and any repairs.
- Next due date for inspection.

Rope damage is not repairable. Damaged ropes should be immediately removed from service and destroyed to prevent use but unknowing persons.

If this equipment is resold outside the original country of destination the reseller shall provide instructions for use, maintenance, for periodic examination and for repair in the language of the country in which the product is to be used.

If your rope does not meet the criteria for inspection it MUST be retired! This includes all points of the inspection criteria as well as loss of faith or doubt as to the serviceability of the rope. All ropes deemed unsuitable for use must be destroyed by cutting into sections of less than ten feet to prevent future use by an unknowing person.

INSPECTION CRITERIA

Age-/ Use- this rope may become simply worn out from use. We recommend this rope to be removed from service after no more than ten years from its in service date. In good storage conditions this rope may be kept for three years before first use without affecting its future lifetime duration in use.

Loss of faith- if you feel uncomfortable for any reason or suspect there may be a problem with your rope it must be retired and destroyed.

Abrasion/ Sheath wear- the core is exposed or more than half of the outer sheath strands are abraded. Rope abrasion typically is the result of the rope placed over rough or sharp surfaces or edges with no padding or protection. Always properly pad your ropes against rough or sharp surfaces! Exposed core strands indicate the need for retirement.

Fraying- indicates broken or damaged sheath bundles which is an indication of abrasion or overloading. Fraying may also be caused by worn gear that contacts the rope [worn or damaged descent devices , grooved carabiners etc.]

Glazing and / or glossy marks indicates overheating of the rope. Typically this is the result of contact with a descender that has become overheated in a fast rappel. These glazed sections will have lower tensile strength and will break open into a fuzzy section during subsequent rappels. Any rope exposed to direct flame impingement should be destroyed in a manner to prevent future use as a life safety rope.

Lack of rope uniformity- If there is a lack of uniformity of diameter or size of this rope it must be immediately retired. These indicate the possibility of core damage typically characterized by a depression in the diameter of the rope, lumpiness of the rope or exposed core strands protruding from the rope. Overloading or subjecting a rope to impact forces can lead to damage characterized by lack of rope uniformity. Excessive impact forces will lead to rope failure.

- ▶ SEE ABOVE FOR USE INSPECTION CRITERIA AND PERIODIC INSPECTION CRITERIA
- ▶ MAINTAIN THIS RECORD FOR THE LIFE OF THE ROPE
- ▶ ADDITIONAL LOGS MAY BE DOWNLOADED FROM www.bluewaterropes.com/homeldownloads.asp

ROPE USE & PERIODIC INSPECTION LOG

Purchased From _____

Product name and model _____

Means of identification _____

Manufacture Date _____

Date In Service _____

Target Date for Removal from Service _____

Assigned Use _____

Diameter/Length _____

Color _____

Mfg's Lot# _____

Date	Inspectors Name	Type of Use/Conditions	Pre Use Pass/Fail	Post use Pass/Fail	Next Inspection Due Date

Lifetime expectancies based on use frequency

- Intensive and daily use : 6 months
- Daily use of average intensity : 1 year
- Weekly and intensive use : 1 year
- Weekly use of average intensity : 2 years
- Periodic daily use of average intensity : 3 years
- Several uses during the year of average intensity : 5 years
- Very occasional light use : 10 years.

Attention : These are average lifetimes in use, a rope could be destroyed during its first use. Proper storage between uses is essential. The lifetime of the rope in use must never exceed 10 years. The total maximum lifetime (storage before use + lifetime in use) is thus limited to 13 years.

Manufactured by:



209 Lavvorn Road Carrollton, Georgia 30117 USA

TEL (770)834-7515 & (800)533-7673 FAX (770)836-1530 & (800)836-1556

www.bluewaterropes.com

Keep your rope clean. Dirt, mud and grit will shorten the life of your rope. Wash your rope occasionally by increasing internal and external abrasion. Wash your rope occasionally in cold water with small amounts of mild soap. DO NOT use bleach or bleach substitutes. Rinse the rope in several baths of clean water to remove all traces of soap residue. The rope must be loosely coiled and air dried in the shade away from direct sunlight. Do not dry rope in a clothes dryer.

Users of this equipment as a component in a fall arrest system must be aware of the necessary each time this rope is used to allow sufficient free space underneath the work area in the event of a fall. This is necessary to avoid collisions with the ground or other obstacles.

Accidental Dynamic Loading- Although your BlueWater low elongation rope is designed to help absorb some of the energy of an ACCIDENTAL dynamic loading, the user is responsible for checking rigging to avoid dynamic loading of this rope in any manner whatsoever.

In the event of an accidental dynamic loading, the rope must be immediately retired from service and destroyed to prevent future use. This rope must also be immediately removed from service if there is any doubt about its condition for safe use. In the event it has been subjected to fall arrest it must be removed from service and not be used again until confirmed in writing by a competent person that the rope is safe for use.

The anchor device or structural member chosen to serve as the anchor point must be compatible with the safety system and must, at a minimum, exceed the rated rope strength. This equipment must not be used for any applications beyond its rated limits or for applications for which it is not intended. The user must also be aware of limitations of the anchor point and other equipment used in conjunction with this product to be fully assured they are compatible with this product as part of a total system. The use of non-compatible equipment within a system can lead to catastrophic failure of the system and / or individual parts within a system. Connections to anchors must be made with a minimum of contact with the edge or structure and must be properly padded at any point of contact to prevent fraying and / or cutting. Consideration should also be given to protect the rope in the event of any horizontal or "pendulum" movement of the rope against any surface.



All users of this equipment understand the techniques for proper attachment of the rope against any surface.

Documentation for a harness. If there is no information on a harness indicating correct attachment points it must be considered unsafe for use and destroyed to prevent future use by unknowing persons.

Repair- If this rope becomes damaged it must not be repaired except in the case of sheath damage. In the event of sheath damage, the damaged section may be removed and the remaining useable sections re sealed with a rope hot knife cutting gun to provide the user with two separate sections of rope. Always remark the rope with the *correct diameter, length, and EN1891:1998 type [A or B]* to avoid accidents.

Chemical contamination- Discoloration of the rope's color is typically an indication of exposure to chemicals aggressive to the material from which your rope is manufactured. Discoloration can be in the form of lighter OR darker sections of the rope. They may or may not be characterized by stiffening or softening of the rope texture. Always protect your rope from exposure to harsh chemicals. Exposure to chemicals will cause failure that can result in injury or death. **DO NOT** allow your rope to come into contact with any compounds containing acids, alkalis, oxidizing agents, phenol or bleaching compounds. Battery acid and Chlorine Bleach are the most common contaminants. Remember- Contaminants can be in the form of liquids, solids, mists and vapors. Contaminants may or may not be visible and may or may not be detectable. If you suspect your rope has been contaminated it must be destroyed by cutting into unusable lengths to prevent future use by an unknowing person.

Ultraviolet Ray Exposure Ultraviolet [UV] rays. Solar degradation is typically characterized by fading or other color change. Solar degradation should be checked by rubbing the surface of the rope with one's thumbnail. If degradation has taken place, the surface material will come off the rope as powder.

-  **Meanings of Markings**
-  - Signifies conformity to the European directive.
 - Read additional instructions for use
 - 50M - Length of rope (meters)
 - LOT - Manufacture lot number of rope
 - SPC - Reference name of rope
- This product conforms to EN1891:1998 and EN365:2004

0086 - Identification number of the Notified Body (BSI PO 6221 Kitemark Court, Davy Avenue, Milton Keynes, MK1 9EP)
 EC type examination done by: [0082] APAVE SUDEUROPE SAS,
 BP 193, 13322 MARSEILLE CEDEX 16 - France 230160-3

The plan should include, at a minimum, details of how to conduct a rescue, location of the closest rescue squad and nearest medical treatment. All parties should be aware of any drug allergies or specific medical needs of all persons in the group.

This equipment must never be modified from its original design. Modifications will result in an unsafe product and are not recommended under any circumstances. Modifications to this product can reduce performance specifications and void any and all warranties. The tensile strength listed is for new ropes. The strength of this rope will decrease with use and age. The diameter listed is for new ropes. With use ropes may shrink and subsequently become a larger diameter as they become shorter.

The different elements or components composing any safety system must conform to the appropriate CE Norm and be used with the full knowledge of their limitations in use individually and within safety systems. *Examples of other components are EN 362 Connectors, EN361 Full Body Harness, EN355 Energy Absorber, EN354 Lanyards.*

Components should be examined for compatibility with all parts of the system. All equipment must be intended for use with the specific diameter and type of rope or style of specific gear used within the total system. Be sure the hardware you use is designed for use with your rope's diameter. Users must also be aware of the dangers in using combinations of equipment in which the safe function of one interferes with the safe function of another.

This rope must be personally allocated to a competent person for its use post use as well as insure the periodic inspections occur.

Always tie a figure 8 knot at the end of the rope to prevent users from rapping off the end of the rope in the case the rope does not completely reach the ground!

Ropes designated Type A under CE guidelines are more suitable for rope access and work positioning than are ropes designated Type B. Typically Type B ropes are more suited for recreational end users who do not require the greater fall arresting capability of Type A ropes. Users of Type B ropes must take greater care to protect against sharp edges and the potential of fall arrest.

Ropes should always be stored and transported in a rope bag to reduce the possibility of exposure to contaminants and unnecessary exposure to UV rays. Avoid stepping on your rope. Besides the potential of cutting, stepping on a rope will grind grit and dirt into the core that will shorten the life of your rope. A ground cloth should be used to keep the rope from being in direct contact with the ground.

ROPE USE AND CARE

WARNING:
 Failure to follow all instructions in the proper use and care of your rope can result in serious injury or death to the user and/or bystanders. It is the rope owner's responsibility to educate users of this equipment of all points included in the Use Instructions in their entirety. Furthermore, any person using BlueWater equipment in any manner is personally responsible for learning the proper techniques involved, assumes all risks, and accepts full and complete responsibility for any and all damages or injury of any kind, including death, which may result from the use of any BlueWater equipment. There is absolutely no substitute for professional training in the proper techniques necessary for the use of this equipment. A source for professional instruction can be obtained by calling BlueWater at telephone number 770.834.7515 during regular business hours Eastern Standard time or from your local shop. A direct source for professional instruction can be found in the "links" section of our website www.bluewaterropes.com under *American Mountain Guides Association*. The American Mountain Guides Association [AMGA] may also be contacted directly by telephone 303.271.0984, fax 303.271.1377, website www.AMGA.com or email info@amga.com.

This equipment is intended for use in rappelling, rescue and rope access work. It is considered a low elongation rope and must never be used in a situation when the anchor point is below the user. This rope must never be used in a situation where the potential fall factor is greater than 1. Do not use a carabiner for tying in if there is risk of a fall.

If the anchor point is below the user, a dynamic rope must be used [See standard EN 892 Dynamic Mountaineering ropes]. Be sure every anchor point is suitable for the load to be applied. All "slack" in the rope between the user and anchor point must be removed prior to applying a load of any kind to reduce the possibility of accidentally subjecting the rope, anchor points, other gear, and the users to an accidental dynamic loading or impact force.

Persons using this equipment must be fully aware of any physical limitations they may have. Use of this rope could involve physical exertion beyond an acceptable level for persons who are in an above normal risk category for any type medical condition. Those under the influence of alcohol or drugs that may impair their abilities or judgment must not use this product!

Users must be aware that prior to use of this equipment a suitable rescue plan should be evaluated in the event of an emergency.

Certified

UIAA

33CH

230150

**MEETS THE LIFE SAFETY ROPE REQUIREMENTS
OF NFPA 1983, STANDARD ON LIFE SAFETY
ROPE AND EQUIPMENT FOR EMERGENCY
SERVICES, 2017 EDITION.**

CLASS: TECHNICAL-USE ROPE

Minimum Breaking Strength	34.2 kN (7,688lbf)
Certified Diameter	11.0 mm
Elongation at 1.35 kN (300 lbf)	2.2%
Elongation at 2.7 kN (600 lbf)	4.7%
Elongation at 4.4 kN (1000 lbf)	7.2%

Certification applies to ROPE ONLY; without terminations

Type of fiber(S): **Nylon and Polyester**

Stock Number: 5347200MRDYE

Serial Number: 54436

Lot Number: 981718

Date of Manufacture: 9/13/17

**Emergency Services Life Safety Rope
In Accordance With NFPA 1983-2017
534700 7/16" SafeLine**



MADE IN THE USA
By

Bluewater Ropes

209 Lowvorn Road
 Carrollton, Georgia 30117
 Telephone: 770-834-7515
www.BlueWaterRopes.com
 e-mail: info@BlueWaterRopes.com

SAVE THIS LABEL