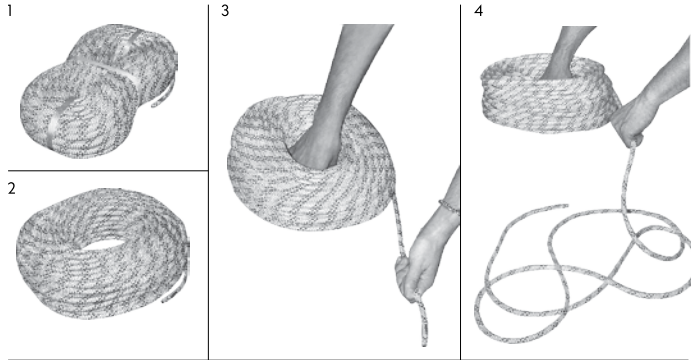
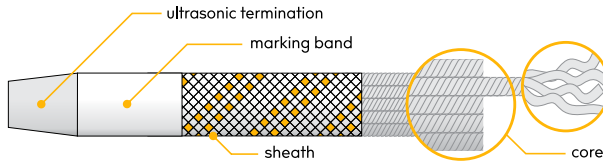


Rope unpacking



Kernmantle rope construction



Reading and understanding instruction for use are required to use this product.



3 years guarantee.



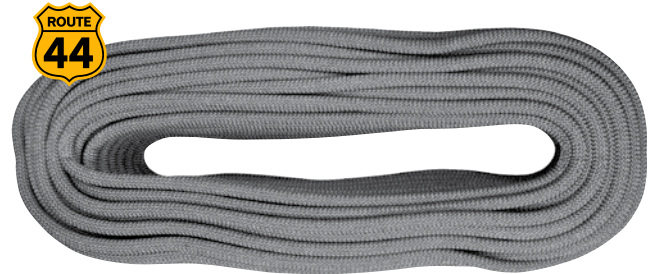
Retain in case of a claim on the guarantee!



ROUTE 44 – highway to the Future

- Route 44 technology invented & patented by Singing Rock.
- Ropes R44 are: compact, soft, light, durable.
- Optimum number of yarns in sheath.

STATIC R44 NFPA 13



class	general use life safety rope
minimum breaking strength	47 kN
diameter	13.0 mm
elongation at 1.35 kN (300 lbs)	= 3.4 %
elongation at 2.7 kN (600 lbs)	= 5.4 %
elongation at 4.4 kN (1000 lbs)	= 7.6 %
type of fiber	100 % polyamide

knot breaking force	30 kN
weight	108.7 g/m
mass of the core / outer sheath	26 % / 74%

ver. 16S98022749 0920

SINGING ROCK s.r.o.

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singingrock.page



singingrock_official

ROPE JOURNAL

Date of entry	Ascended [m]	Descended [m]	Falls sustained	Date of entry	Ascended [m]	Descended [m]	Falls sustained
Date of purchase:				Date of first use:			
Putting out of use (reason):							

ENGLISH

INSTRUCTION FOR USE

(low-stretch ropes)

Do not use this product without having read carefully and understanding these technical instructions.

This product makes part of personal fall protection system. If the personal fall protection system consists of static equipment only (low-stretch rope, tape slings...) and if there is risk of a fall, it is **essential to introduce a shock absorber into the safety chain to lower the potential shock load.**

Activities of height, climbing, caving, rappelling, rescue, work at height and exploration are dangerous activities, which may lead to injury or even a death of the user.

An adequate apprenticeship in appropriate techniques and methods of security is essential to use this product. This product must be only used by competent person and responsible person or those placed under the direct visual control of a competent and responsible person. You personally assume all the risks and responsibilities of all damage, injury or death, which may occur during or following use of our products in any manner whatsoever. If you are not able or not in a position to assume this responsibility or to take the risk, do not use this product.

It is up to user to foresee situations requiring rescue in case of difficulties encountered while using the product. The user must be informed of the existence of an emergency plan, present at the place of work, necessary to handle any possible emergency that can arise. Physical condition of the user can have an influence on his safety during normal or emergency use.

COMPATIBILITY

Make sure that all the components used with this product satisfy all safety requirements of relevant safety standards and are intended to be used with the rope of this diameter. The use of unsuitable combination of products in a safety chain or damage of any component of a safety chain may result in serious or even fatal accident. We recommend checking the function of a safety system and equipment on safe place without risk of fall. Never use any rope or accessory cord as a running belay device; this leads to immediate rope rupture and following fall, which may be fatal to users.

USE

The system should incorporate a reliable anchorage point above the user, and between this point and the user there shouldn't be any slack.

Low stretch kernmantle ropes are **not intended** to be used for protection during any free climbing activities and other activities, where the fall is possible.

For above-mentioned activities, where the hard fall is possible, the dynamic mountaineering rope must be used or fall absorber should be incorporated into the system. While using the connector and other personal protective devices, the user must always remain below the anchor point. The position and the height of the anchor point from the ground, must be calculated in the view of a possible fall, taking into account the length of the rope and of the devices connected to the rope, any dangerous obstacles, and the possibility of a "swinging" effect. The work must be carried out in such way as to minimize both the potential fall and potential fall distance. The full body harness is the only acceptable body retaining device that can be used in a fall arrest system.

Use only anchors with a minimum breaking strength of 12 kN (for textile anchors minimum 18 kN).

The performance of type B rope is less than performance of type A rope. The greater care is required in protecting against the effects of abrasion, cuts, and general wear and tear. The greater care should be taken to minimize the possibility of a fall.

The type A ropes are more suitable for use in rope access and work positioning than type B ropes.

Icy or wet rope will change it's performance, particularly at knot making, dynamic resistance, static strength, abseiling, belaying and ascending performance. This greater care of user is necessary with icy and wet ropes.

Knots made on the rope are reducing static and dynamic resistance of the rope. User is responsible for familiarizing with correct knotting techniques. If the rope is not supplied with sewn end-loop, terminating the rope with figure eight knot can be recommended.

Don't use the rope on sharp edges (natural or artificial) to avoid the sheath or even core damage and reduce of rope strength.

Lead your rope away from sharp edges by any means.

In case of warranty claim supply claimed product only together with full rope's label, with which it was purchased. Do not buy rope without label. It's origin may be uncertain.

CLEANING AND MAINTENANCE

A dirty rope can be put into clean lukewarm water, washed by hand or with soft brush, subsequently rinsed with clean lukewarm. If the disinfection is necessary, use weak (%) dilution of Potassium permanganate. Then let the rope dry in a cool and ventilated room or outdoors away from the direct sunlight. Rope dampened during use or washing, may shrink slightly (maximally for 8%).

Keep the rope always away from all direct heat sources (artificial, natural). Do not store rope under direct sunlight. All chemical products, corrosive materials, markers, adhesive tapes, paints, solvents must be regarded as harmful to the rope and cannot be used to treat, clean, mark the rope, unless advised to do so by the producer – SINGING ROCK (for more info call or e-mail us). Putting any of the above mentioned chemicals or objects on the rope could subsequently lead to the decrease in the rope's performance and to the serious injury or even death of user. **Any modification or repair outside our SINGING ROCK production facilities is forbidden.**

SERVICE LIFE

After first use this product may have a life according to the frequency of using. However, wear or serious damage to the rope could occur even at the first use, which reduces rope's lifetime. Shelf life of this product is reduced if rope is not stored properly, namely away from all chemicals and away from direct sunlight (even through shop-window) or other heat sources. Lifetime should be such, that rope would not be used after more than 15 years since it's production date and 10 years after its first use, whichever becomes earlier. For production date determination, small section of the rope's end must be opened (if label is missing or there is a doubt that label does not belong to the particular rope) and control tape or yarn must be found. Avoid rubbing against abrasive surfaces or sharp edges (artificial or natural). **Do not continue to use the rope after serious hard fall, fall on sharp edge or after chemical damage.** Visible external or non-visible internal damage may have occurred, thus reducing rope's strength and margin of safety.

Before and after each use it is necessary to check the condition of the rope along it's whole length. Do not hesitate to retire the rope that is showing signs of wear that might affect its strength or limit its function. Check for cuts, abrasion and damage caused by use, heat or chemicals and as well the marking on the rope. If you find any of this retire your rope at once.

Reasons for rejection the rope from the use:

- damage of one or more yarn in the sheath
 - damage of one or more yarns of the core
 - **service life of the rope exceeds 15 years since the production date or 10 years since date of first use**
 - rope is in direct contact with open fire or chemicals
 - the marking of rope is damaged or illegible
- SINGING ROCK cannot be held responsible for any accidents related to using damaged rope, which should be put out of service life. Do not hesitate to contact SINGING ROCK in case of doubt, or even send us the product for thorough inspection. Rope, which was put out of service, should be marked in such way, that it cannot be understood as suitable for using anymore.


To ensure safety of the rope during it's whole service life keep a record of any event, which might be important later for deciding whether to retire the rope or not. It is recommended to be the sole user of the rope. It allows you to know the history of your rope.

Except of required inspections performed by the user, this product must be checked at least once every 12 months by a competent person following manufacturer's procedures. The results of the inspections must be recorded.

STORAGE AND TRANSPORT

Despite its UV protection it is recommended that this product is stored away from direct light, in a well-ventilated place away from all sources of direct heat. The rope doesn't have to come into contact with any chemicals. Same conditions are needed for transportation. Use this product between a minimum of -40 °C and a maximum of 80 °C. In case of cutting the rope at distributor or dealer's, cut lengths of the rope which is intended to be used as PPE rope, should be marked on their ends as the producer's marking shows.

MEANING OF MARKING ON THE ROPE

SINGING ROCK product
 STATIC R44 NFPA I3 name of rope, diameter in mm
 Lxxxxxxx rope code
 XXXXX/MM/YY batch number/month of production/year of production
 Length: XX m rope length
 before use read carefully and understanding instructions of use

NFPA

MANUFACTURER: SINGING ROCK s.r.o., Poniklá 317, 514 01 Poniklá, Czech republic
APPROVED BY: VVÚÚ, a.s., Ostrava-Radvanice, Píkarčská 1337/7, Czech republic

IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION STANDARD ON LIFE SAFETY ROPE AND EQUIPMENT FOR EMERGENCY SERVICES NFPA 1983 (2017).

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

WARNING!

This rope can be used and reused only if following criteria are met:

- a) Rope has not been visually damaged.
- b) Rope has not been exposed to heat, direct flame impingement, or abrasion.
- c) Rope has not been subjected to any impact loads.
- d) Rope has not been exposed to liquids, solids, gases, mists, or vapors of any chemical or other material that can deteriorate rope.
- e) Rope passes inspection when inspected by a qualified person following the Singing Rock inspection procedures both before and after each use.

If above criteria are not met, put the rope out of service at once. If rope does not pass the inspection or if there is any doubt about the safety or serviceability of rope put the rope out of service at once.

OTHER INSTRUCTION TO ROPE USER

- 1) Inspect rope periodically according Singing Rock inspection procedure. This procedure can be found at www.singingrock.com (except overleaf).
- 2) Remove the rope from service and destroy it, if rope does not pass the inspection or there is any doubt about the safety or serviceability of rope.
- 3) Protect the rope from abrasion.
- 4) Do not expose the rope to flame or high temperatures and carry the rope where it will be protected as the rope could melt or burn and fail if exposed to flame or high temperature.
- 5) Keep the product labels and user information/ instruction after they are removed/ separated from the rope and retain them in the permanent rope record. Copy the product labels and user information/ instruction and keep the copies with the rope.
- 6) Refer to user instruction/ information before and after each use.
- 7) You can be killed or seriously injured if you do not read and understand and follow user instruction/ information.
- 8) Additional information regarding safety can be found in NFPA 1500, Standard on Fire Department Occupational Safety and health Program and in NFPA 1983, Standard on Life Safety Rope and Equipment for Emergency Services.

HOW TO INSPECT YOUR DYNAMIC OR STATIC ROPE

DEFINITIONS

sheath is outer layer made of strands (32, 36, 40, 44, 48 strands); core is rope's inner structure; strand is element in sheath consisting of separate yarn; yarn is element consisting of fibers; fiber is item that is purchased by manufacturers to produce ropes; filament is basic (hair-like) single element.

HOW OLD IS THE ROPE?

Find this on rope's label or inside of the rope on inserted tape.

IS YOUR ROPE IN GOOD SHAPE?

Keep the record of any events while using this rope. Compare the number of arrested falls with the number of falls guaranteed. If the reality exceeds guaranteed number of falls, put the rope out of service at once. If the rope sustained high factor fall or the fall over the sharp edge, put the rope out of service at once.

SHEATH

No yarn can be broken (discontinuous). If such thing happened, put the rope out of service at once.

Single filaments of the yarn can be damaged (rope looks fuzzy). You must not be able to see the core through the thin sheath (for the reason that so many fibres are broken). If that's the case, do not use your rope anymore.

Local colouring (stains, spots, etc.) of the sheath worn in the lukewarm water. If the stains or spots do not disappear, damage was caused by unknown chemical, put the rope out of service at once. Glossy surface also suggests putting the rope out of service immediately. High temperatures are permanently damaging synthetic fibres.

CORE

Hard section under the sheath or section of the rope with reduced or bigger diameter indicates possible local damage of one or more core yarn. As it is not possible to see inside of the rope, if you find suspicious place it is advised to put the rope out of service at once.

FURTHER RECOMMENDATIONS

While placing the running belay (or top-rope), never allow your rope to run through other textile product (sling, tape, etc.). The immediate effect is that one of the two items in the safety chain will break at once while rubbing onto the other item (rope on sling, rope on accessory cord, for example).