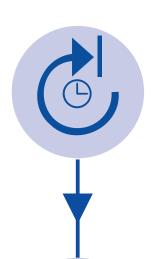


## ROPE INSPECTION

Process & Guidelines



#### **SERVICE LIFE**

Is your rope's age still within the maximum service life?

A rope's maximum service life depends on the material it is made of. Check the user instruction of the rope!



Are the labels of the rope existing, complete and clearly legible?

Check if the labels contain the necessary information according to CE, NFPA, ANSI, etc. standard? See examples of the labels on page 3



Does your rope comply with the hardware you use?

Check the requirements of your hardware concerning rope diameter, standard (EN, ANSI, NFPA, ASNZ, ...) or material.

If needed, change the hardware or the rope to make it match!



#### **ROPE LOG**

Document your inspection and the outcome in your rope log or PPE Management app!



### **DAMAGES**

#### **ROPE**

Check your entire rope visually and by running it through your hands.

Look for damages and also check for

- Completeness of end to end continuity. No breaks, seams, taped or knotted sections
- Completeness of end terminations and components. No deformation of metal parts, no broken seams, ...





## ROPE INSPECTION

### Process & Guidelines

WHAT to inspect?

✓ Specs & Certifications

✓ General conditions

✓ Fabricated terminations

**WHEN** to inspect? ✓ Before and after every use

✓ Twice a year for ropes stored in rescue packs etc

**WHERE** to document it? ✓ Rope log

✔ PPE Management app (e.g. papertrail)



- Correct labelling
- Proper or only slightly fuzzy cover
   Length according to label
   Middle mark available (if it had one)
- **3** Proper end termination



If these irregularities occur, you can set maintenance actions to keep the rope in use.

- Ore-Cover-Slippage
  - Cut the affected end of the rope and seal again with heat. If your rope has a middle marking, cut the same length on both sides
- Small local damage or abrasion of the cover
  Cut off frays and check the rope after each use for worsening of
  the damage

Different lenght than labelled

Label the rope with the correct length







- Fuzzing or abrasion
- Cracks or core-shots
- **O** Cuts or taped parts
- Deformation (flattening, ribbing, curfing, squashing)
- Glazing, hardening, melting Stiffness or softness
   Other signs of damage, heat or chemicals





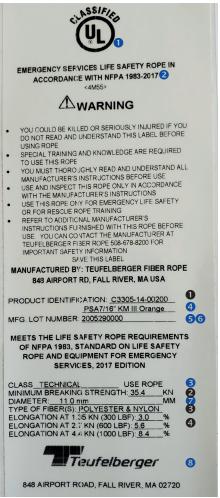


\*Cut the rope into max. 1 meter sections so that it can't be used again for climbing by accident.

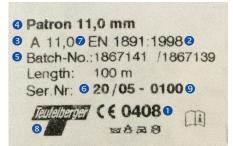


# ROPE INSPECTION

Label Examples & Checklist



NFPA-Label (USA)



EN Label (Europe)

C ∈ 0598

 KMIII™ LOW STRETCH KERNMANTLE
 A 13.0 PENB91:1998 PENB91:1998 PEUFELBERGER FIBER ROPE, CORP
 COPE Job #: 123456
 Lot #: 2005290000
 SIN: 01234
 Read and follow the warnings and instructions for use

Notified body

- Standard/Certification
- 3 Type/Class of certification
- 4 Name of the product
- Manufacturing Lot Number
- O Date of Manufacture (YY/MM)
- Diameter
- 8 Manufacturer
- Serial number

### **NFPA** only

- Product identification number
- Minimum breaking strength
- Types of Fibers used
- Elongation



## **CHECKLIST**

EN Label (USA)