



# Tachyon splice TEUFELBERGER spLIFE program

Splicing guides





# TEUFELBERGER TACHYON SPLICE INSTRUCTION

Please follow these instructions carefully!

Teufelberger assumes no liability for any direct, indirect, or incidental consequences/damage occurring during or after the use of the product and resulting from lack to follow these instructions and from any improper use.

Although we make this manual publicly available, this splice may only be made by a certified manufacturer.

## Tools





# How to splice TEUFELBERGER Tachyon

## 1. Cut off sealed rope end

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## 2. Markings

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Each from the rope end.

- ✓ 40 cm mark A
- ✓ 48 cm mark B

- ✓ 63 cm mark C







3. approximately 1,5 m behind B tie a sling into the rope.

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4. Pull out the core at mark B.

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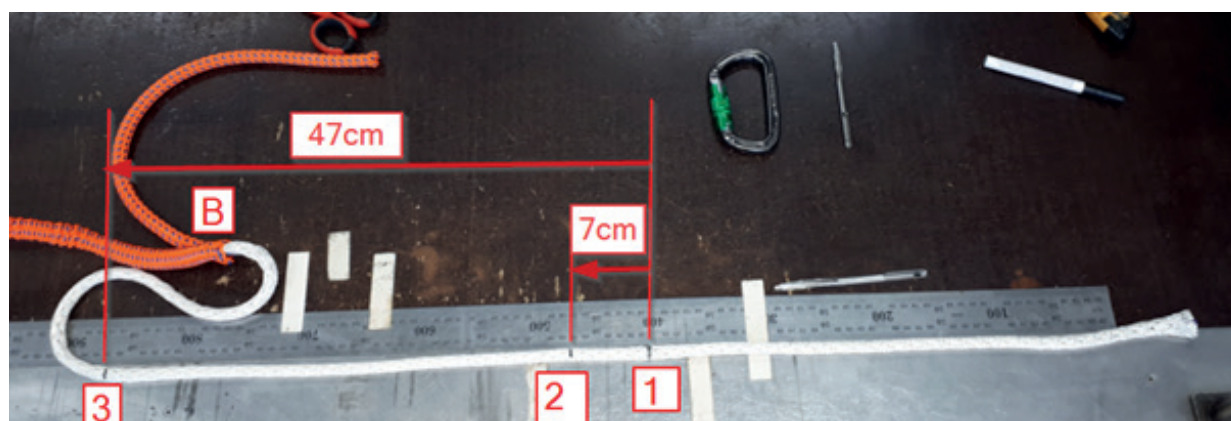
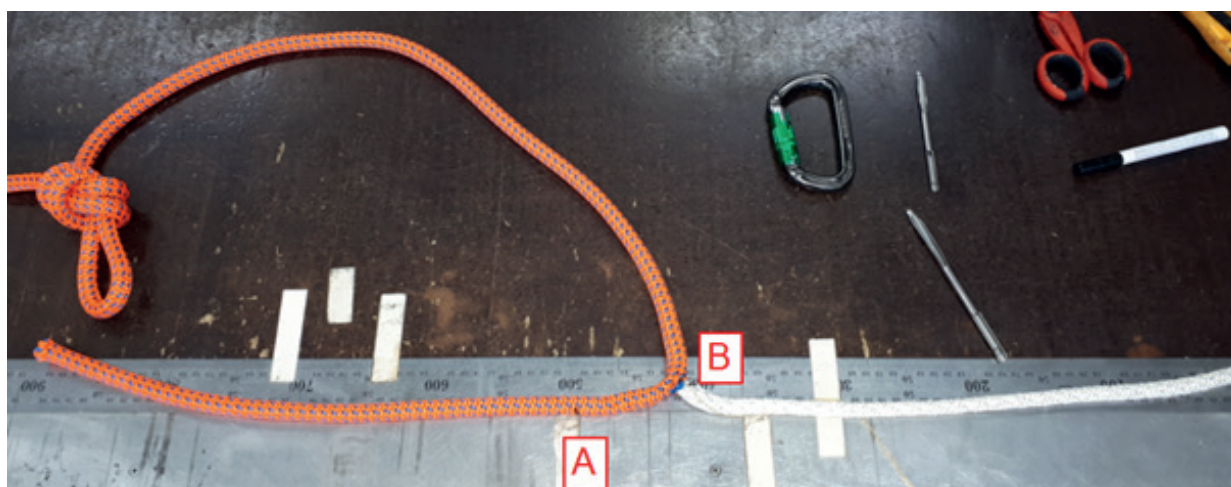
Mark the core exactly at the point where it is coming out of the rope (mark 1).



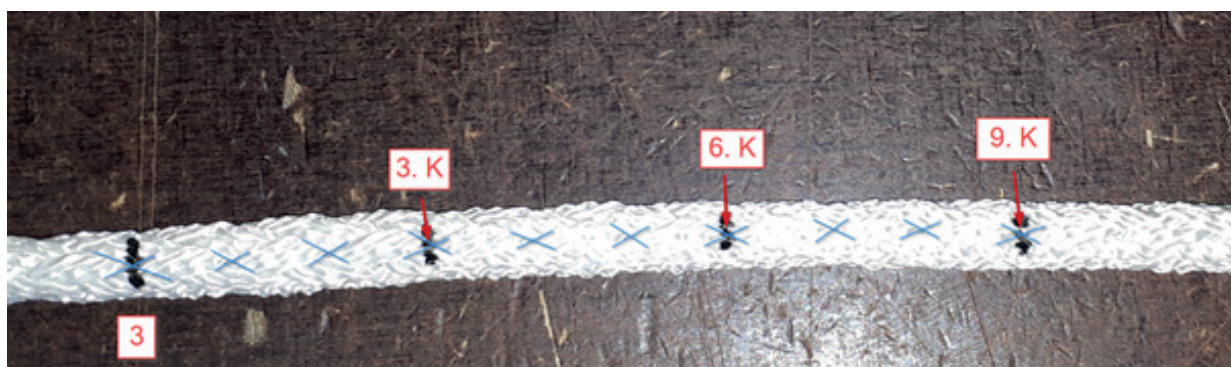


## 5. Pull out the core further

Set 7 cm behind mark 1 mark 2 and 47 cm behind mark 1 is mark 3. Is there no mark 1 at the core visible, cut off the spliced section of the rope and start again from the beginning (because without mark 1 you have no reference for the correct position)..



## 6. Beginning at mark 3 and mark each third crossing of the core yarns 3 times.







7. One crossing before mark 3 pull out the 3 purple cores and cut them off tapered.



8. At every marked crossing of the core yarns

Pull out always 2 yarns left and 2 yarns right. There need to remain always 2 yarns left and right.

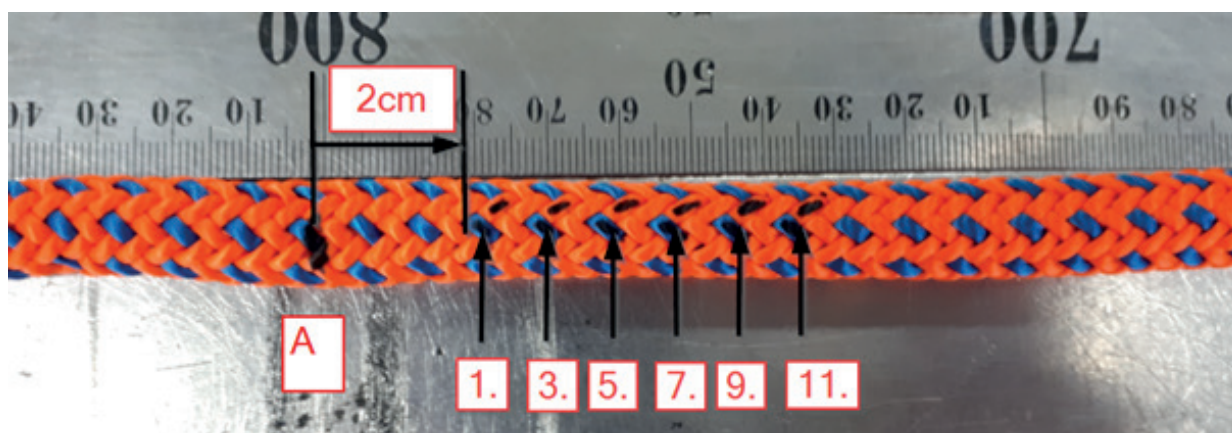






## 9. At the cover mark a pair of cover yarns

2 cm before mark A into the direction rope end. From that marking mark every second pair (always one left, one right) and pull them out -> 12 yarns in total. If there is no mark A as starting point, cut off the splicing section and start again from beginning (there was a mistake before).



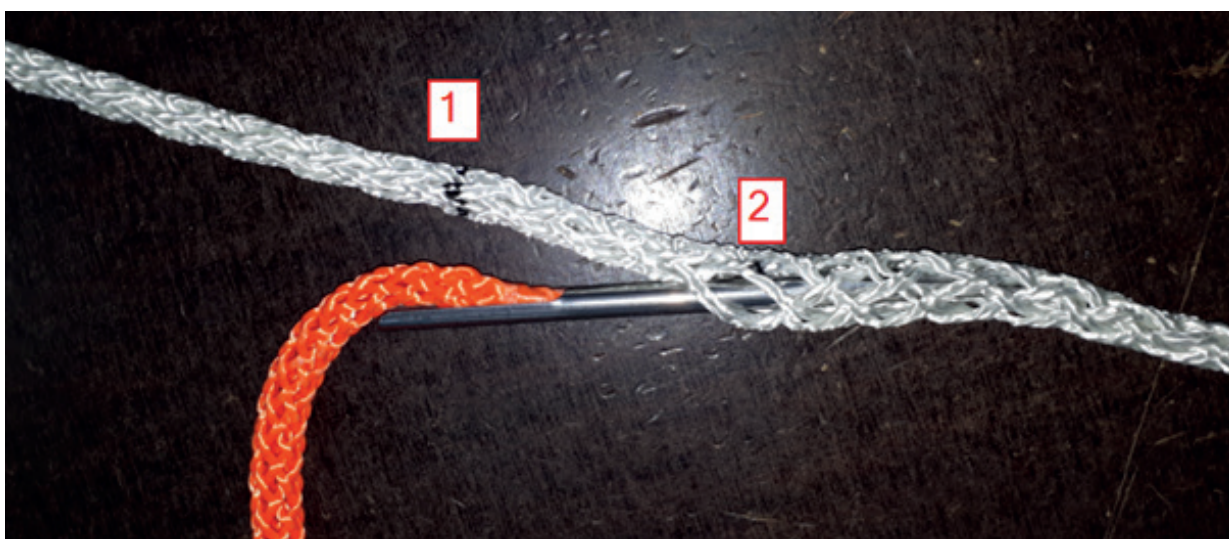
## 10. Fix cover yarns with a tape.





11. Push the cover end with a splice needle from mark 2 to mark 3.

Cut off the pulled out core and cover yarns. If one of both markings isn't there, cut off the splicing section and start again (there was a mistake before).

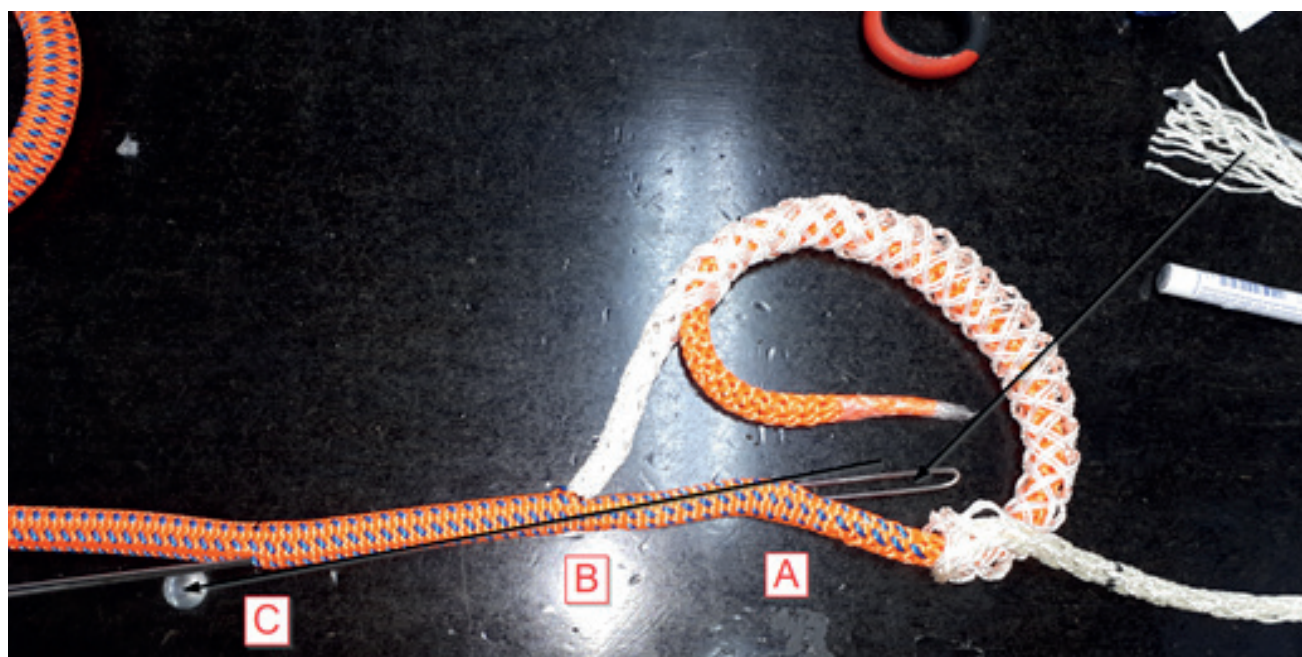






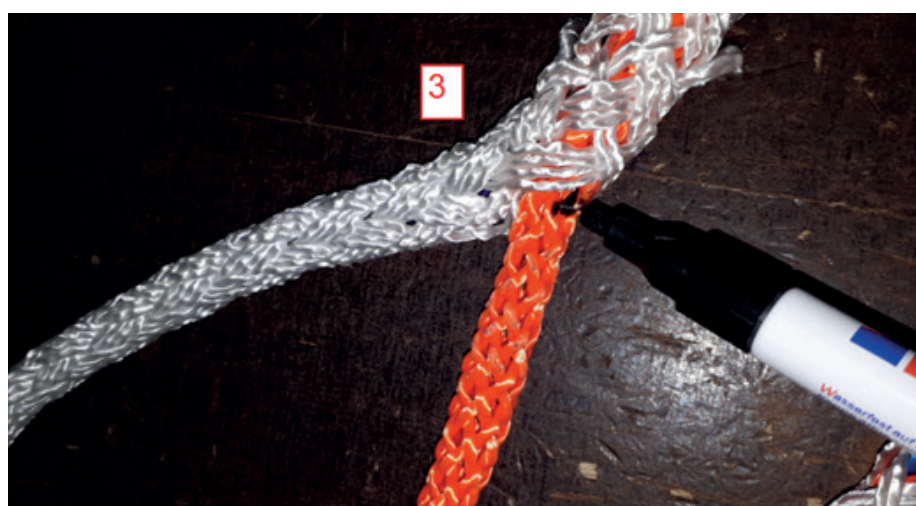
## 12. Push the wire sling through the rope

From mark C to mark A. At mark A push through at the inside of the eye. Pull the core end through from mark A to mark C. If you are missing one of the markings cut off the splicing section and start again from beginning (there was a mistake before).



## 13. Milk the core within the eye

Mark the point where the cover comes out of the core and open the cover braid over a length of 5 – 6 cm, cut it off tapered and milk it back.











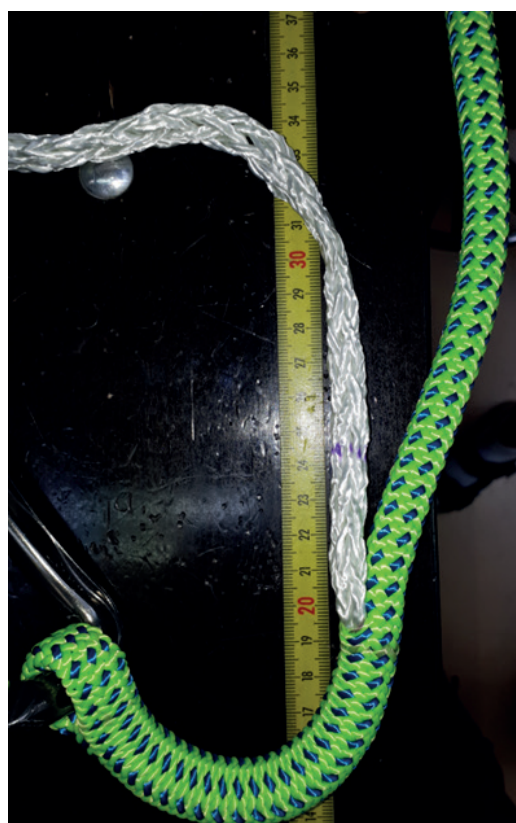
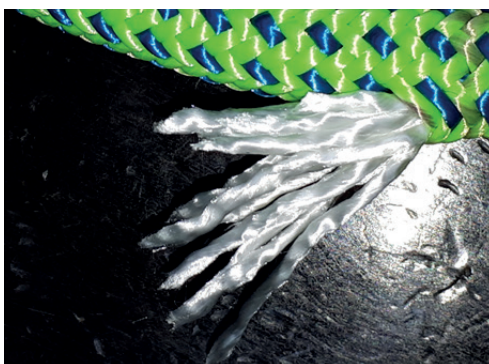
14. Fix the carabiner in the eye and start milking at the tied sling towards the eye and pull tight the eye.





# 15. Mark the point at the core where it is coming out of the cover.

Pull the core out as far as possible. Cut it off at the marking, open the core braid and cut off the core yarns tapered over a distance of 3 – 4 cm. Milk it back in both directions.



# 16. Make a whipping 5 cm behind the eye, 1 cm wide and stitch through 5 times





## How to do a whipping on a spLIFE

### Tools



Material: Dyneema Whipping Twine white 1 mm

1. Make 2 markings for the beginning and the end of the wraps

One at 5 cm and the other at 6 cm behind the eye.





2. Take approximately 1 m whipping twine and feed it into the needle.

Stitch through diagonally in the middle between both markings towards the 5 cm marking.



3. Pull the whipping twine through the rope until the end, melt it with a lighter and press it flat..

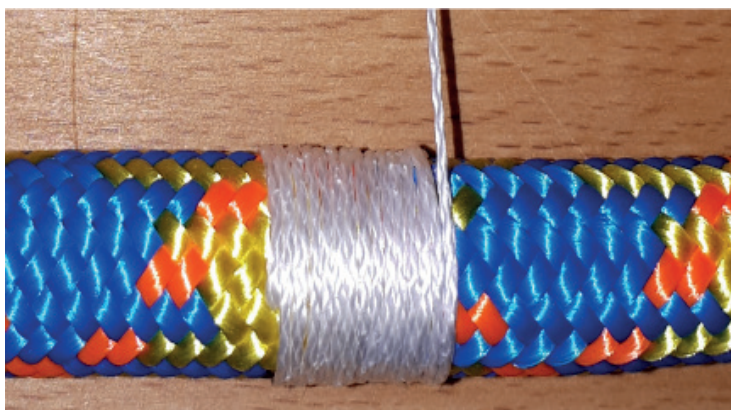






#### 4. Wrap the twine tight around the rope between both markings

Don't cross the whipping twine during wrapping.



#### 5. Stitch with the needle through the rope center

Pull the whipping twine completely through until the end of the whipping twine. Melt the end of the whipping twine with a lighter and press it flat.





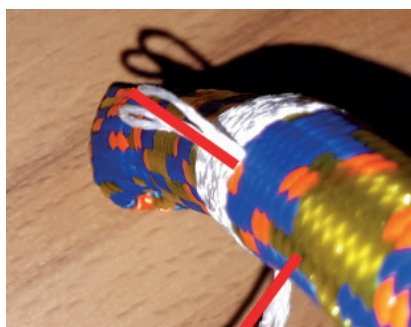
## 6. Stitch through the rope at the opposite side of the wraps

Pull the whipping twine tight. Take care that you don't cross the two whipping twines, they need to stay parallel.



## 7. Now stitch through the rope just a quarter of the circumference

You create a bridge over the wraps which is offset by 90° to the last bridge.







## 8. Stitch through the rope again two times

You create in total 4 bridges over the wraps, which are equally distributed. Cut off the remaining whipping twine, melt it and press it flat.

