

3-STRAND END-TO END LONG SPLICE

FIGURE 1

Step #1 – Unlay the end of each rope a minimum of 40 crowns . Lash securely with twine as shown to prevent ropes from coming apart further. Count and additional 26 crowns down the standing part of each rope and tie a second lashing.

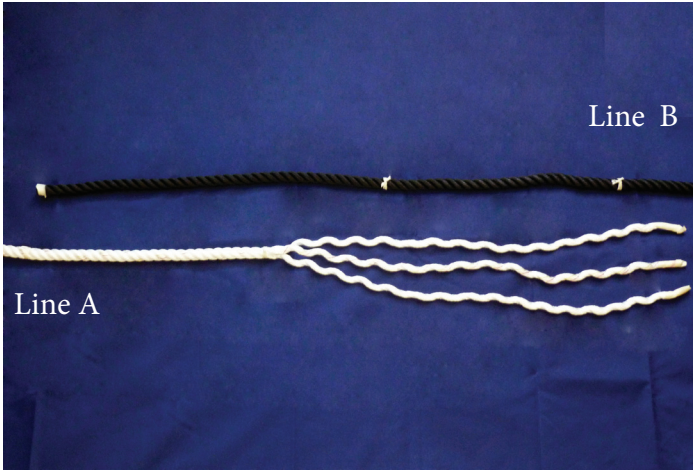


FIGURE 2

Place ropes together, alternating the strands from each. Note how strands are numbered to show their relative positions throughout the long splice procedure.

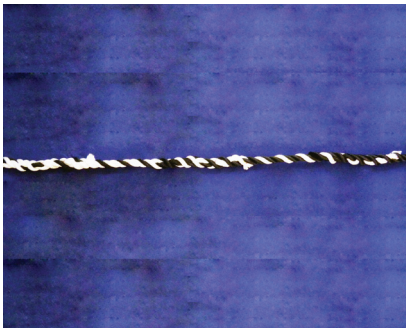


FIGURE 3

Step #2 – The intertwining of the two ropes result in matched pairs of strands; temporarily tape together the matched pairs 1&4 and 3&6 taping as close to the marriage point of the two ropes as possible. Take lashing off one side (line B). Begin to unlay one strand (strand 2) and replace it with a strand from the other side (strand 5) as it is being unlaied. As soon as you have one full turn of the replacement strand in place, re-tie the lashing that you had just removed. Then continue unlaying and replacing the strand for a minimum of 25 crown (to the second piece of lashing that was tied to the rope in step 1).

Note: attempt to keep the twist in the replacement strand (strand 5) while also firmly laying the strand into place.
Note: you can shorten the stand that is being unlayed (strand 2) prior to starting the process so as to make it easier to work with.





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FIGURE 4



FIGURE 5

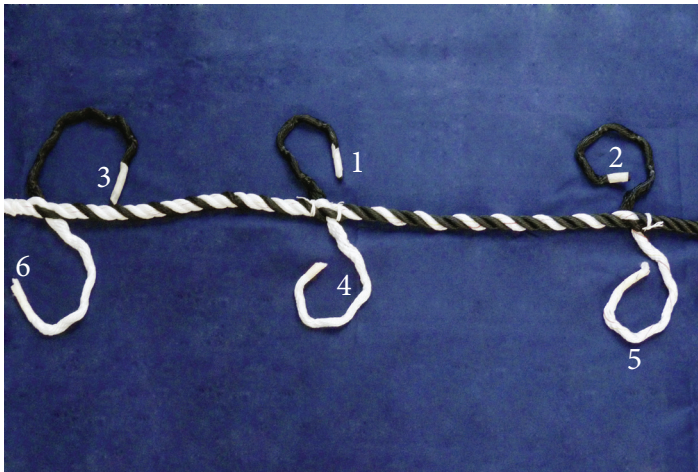


FIGURE 6

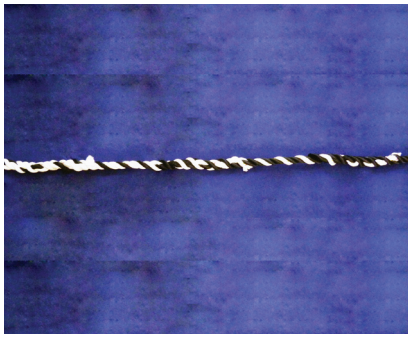


Tie an overhand knot to secure the replacement strand (strand 5) to the strand being replaced (strand 2). Be sure the knot is tied in the direction of the strand twist.
Note: depending on the material you may want to add a temporary lashing across the knot. (ie. if you are concerned that the knot may come loose while working on the other side of the splice)

Step #3 – Step 3 is the same as step 2, except in the opposite direction. One strand (strand 6) is replaced with another (strand 3). Care should be taken when making the first few replacement turns to ensure that there is no excess slack between the ropes at the marriage point.

Step #4 – Tie an overhand knot at the marriage point between the two remaining strands (strand 1&4). Be sure the knot is tied in the direction of strand twist.

Step #5 – Remove the lashing, then tuck each strands 2 times. These tucks should be at right angles to the direction of the twist in the rope (over one strand then under a strand). For each pair of strands, pull strands snug to ensure the overhand knot is secure & tight. Then tuck each strand and additional 2 times.

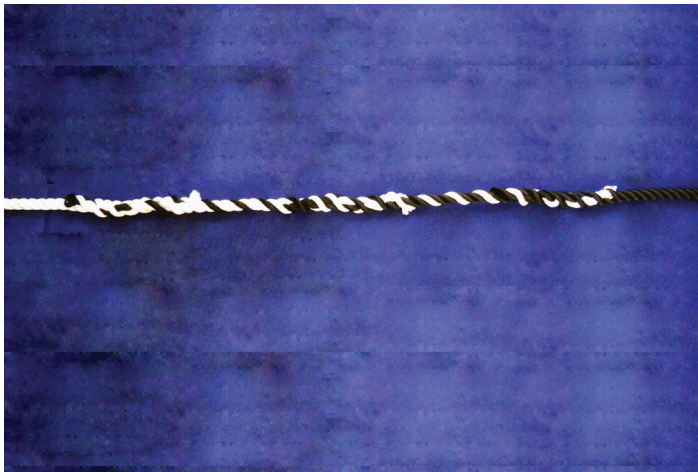


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FIGURE 7



FIGURE 8



Note: if the overhand knot is tied correctly, for your first tuck, the strand (example: strand 5) should go over the standing part of the strand it was tied to (strand 2) and then under the adjacent strand.

Step #6 – If a tapered splice is desired, thin each strand by removing 1/3 of the material and perform an additional tuck for each. Then remove a similar amount of material and perform a second tuck for each strand.

Finally, cut the strands off close to the rope and roll the splice between your hands to smooth out.