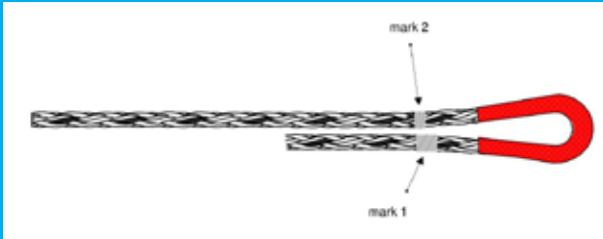




SPLICING INSTRUCTIONS FOR HYPER-XII

STEP 1 Formation of the eye



1. Start the formation of the eye by calculating and marking the free end of the rope. To calculate the free end of the rope, multiply the rope's diameter by factor 36.5. Bind a string around the rope at the marked position (Mark 1).
2. Form the eye by placing the free end of the rope alongside the standing leg. Eye size may vary depending on the usage of the rope. Make a marking point on the standing leg of the rope where it matches up with the marked point on the free end of the rope and bind off with a string (Mark 2).

STEP 2 Taping and unlaying of the strands



1. Tape up each of the strand ends of the free end of the rope.



2. When all strand ends are done, unlay the strands.

STEP 3 Pairing the strands

1. Place the twelve strands in pairs.



2. Pair two strands together which are adjacent to each other. Each pair contains one strand with a clockwise twist, the s-strand and one strand with an anti-clockwise twist, the z-strand.



3. Tape the pair together and repeat until all twelve strands are paired into six pairs.

STEP 4 Marking of the entry and exit points



1. Mark the centerline and the entry point for the splice. The entry point should be on the side of the standing leg facing the free end of the rope that forms the eye. The entry point is defined by counting two strands on the right hand side of the centerline: one z-strand and one s-strand. Mark the point after s-strand.



2. From the entry point, skip one strand down the rope and mark two strands with the same twist direction.

2. From the entry point, skip one strand down the rope and mark two strands with the same twist direction.



3. Repeat this step in a zigzag movement following the circumference of the rope. 3 times 2 s-strands (and 3 times 2 z-strands will be marked. These marks will be used as exit points.

STEP 5 Splice - routing the strand pairs



1. The three pairs of strands closest to the inside of the eye will be routed first through the entry point. Each strand pair will exit from a separate exit point. Start tucking the strand pair closest to the eye. Tuck it through the entry point and exit through the furthest exit point at the opposite site of the rope.



2. Repeat this step with the strand pair adjacent to the first tucked strand pair of this group. Exit at a separate exit point right next to the first tuck and move in the direction towards the entry point.
3. Repeat this step for the last strand pair of this group.
4. Now tuck the three remaining pairs of strands separately through its own marked exit point following the circumference of the rope each time closer to the entry point.
5. Pull all six tucked strands to remove any slack.

STEP 6 Tucking the strand pairs



1. Now tuck each strand pair further down the rope following the same row of picks in the braid each time going over one strand and tucking under two strands.
2. Make five tucks with each strand pair.

STEP 7 Tucking of 3 strand pairs and coupling



1. Now drop every other strand pair and tuck the remaining three strand pairs twice more following the same procedure as in Step 6: follow the same row of picks in the braid going over one strand, under two strands.



2. Then these three pairs of strands are uncoupled into six individual strands. Drop one strand in each pair and tuck the remaining three individual strands twice more.

STEP 8 Tapering the splice

Tape up each strand and cut off.

