Fact Sheet
Splicing Jacketline cross lay core

13.09.2011

Design: Jacketline with a six-strand cross lay core. The splicing technique for this type of Jacket-line is very similar to wire rope, except for the cover.
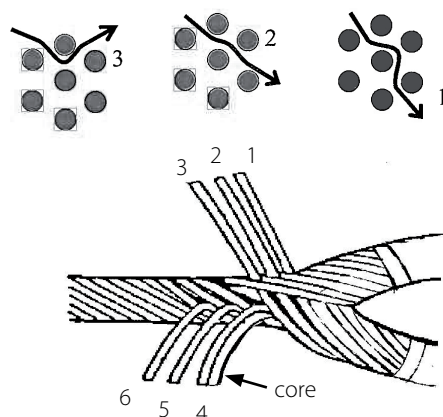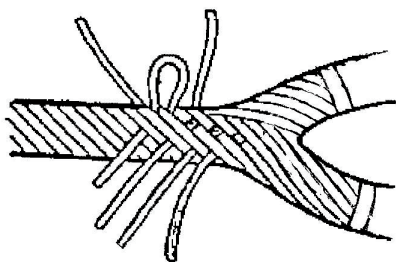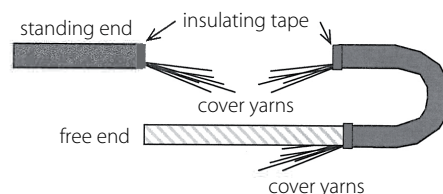
Preparation
The rope is best spliced on a clean workbench or floor. To make the splice a sharp knife, electric tape, a tape measure, seizing rope, polyurethane glue and a marker pen are needed.

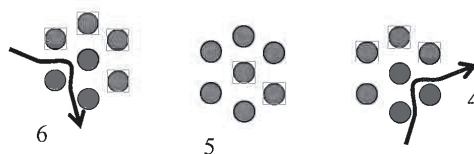### Splicing

remove cover; keep ± 1 m of yarns

1. Lay the rope on the work bench and put electric tape at 5.5 m from the free end.
2. Form the eye, typically it will be at least 1m.
3. Mark the cover on the standing end with tape, put a second mark 5 m away from the first.
4. Remove the cover on the free end and the standing end between the tapes.
   Leave approximately one meter of the cover yarns.
5. Tape the individual strands with insulating tape and unlay the strands of the free-end up to the cover.
6. Tuck the strands as shown in the figure, the core should be spliced with the 4th strand as indicated.
7. The next series of tucks is over one under two strands.
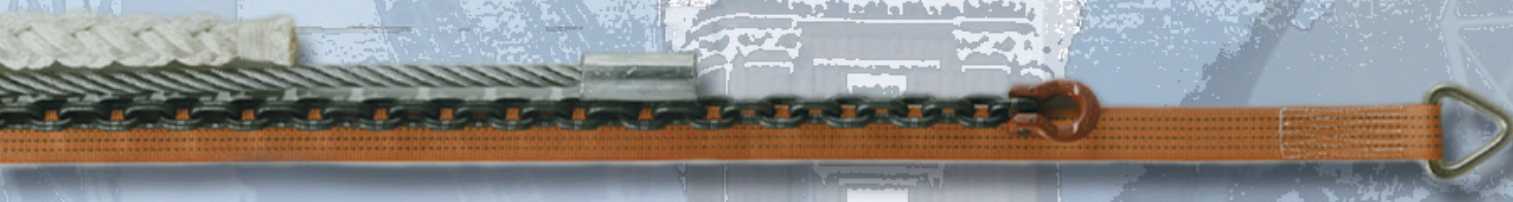8. The core is cut after seven tucks.

9. Four more regular tucks should be done
10. Next half the fibres in each strand should be removed, then one more tuck should be made. This way a gradual taper is obtained. The free end of each strand should be some 5 cm long.
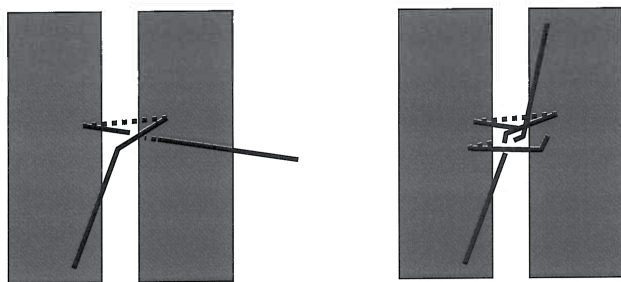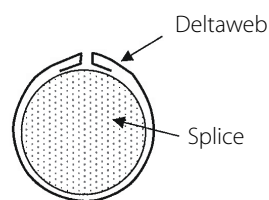
The splice is now complete

Protecting the splice
The cover is worked back into the splice to prevent the cover from getting loose.
1. Pull the cover as hard as possible over the unprotected area.
2. Make six groups of cover yarns.
3. Splice these yarns into the rope as if they were a strand.
4. Repeat this twice to obtain three full tucks.
5. Cut the free cover yarns (at least 2 cm away from the rope)
6. If possible put a thin coat of polyurethane glue over the cut yarns
7. Wrap the splice in Deltaweb, see sketch.
8. Stitch the web together, see sketch.

9. Protect the beginning of the web with whipping, see sketch.