



## Connector Application VSTA VSTB VSTC Straight Joint Connectors

As a safety check, bolts should be run through the threaded holes in the body before installation to ensure there is no contamination trapped in the thread.

1. Overlap the cores to be jointed together in the positions they will finally occupy.
2. Place the two halves of the connector joining bolt 'finger tight'.
3. Mark the insertion depth of the conductor entry hole on the outside of each half of the connector body.
4. Place the connector alongside the two cores arranged in stage (1) above in the position it will finally occupy.
5. Transfer the insertion depth mark made on one half of the connector body in stage (3) above onto the corresponding core.
6. Cut the core at the mark made in stage (5) above.
7. Remove the insulation from the end of the one core cut in stage (6) above for a distance equal to the insertion depth of the fitting plus 10mm. Clean any surplus impregnating oil if present from the conductor.
8. Remove the centre jointing bolt from the connector and slide the half of the connector over the conductor bared in stage (7) above.
9. Ensure that the conductor extends right to the bottom of the conductor entry hole and fit the conductor clamping bolts 'finger tight'.
10. Holding the connector under the first half to be connected with the special connector holding tool, starting at the bolt nearest to the core insulation, tighten each bolt sequentially by half a turn until the bolt heads shear off.
11. Wipe clean the contact faces of the two halves of the connector once more and fit the connector joining bolt finger tight to join the two halves of the connector together.
12. Arrange the two cores into the positions they will finally occupy and transfer the insertion depth mark on the second half of the connector body onto the second core.
13. Cut the second core at the mark made in stage (12) above.
14. Remove the connector joining bolt.
15. Remove the second cores insulation and insert it into the second half of the connector as described in stage (7) above.
16. Wipe clean the contact faces of the two halves of the connector once more and fit the connector joining bolt finger tight to join the two halves of the connector together.
17. Connect the second core into the second half of the connector as described in stages 9-10 above
18. Holding the connector with connector holding tool, tighten the connector joining bolt until the head shears off.



Notes:

- a) An adjustable connector holding tool is available for the connectors (IT-1000-019).
- b) If the bolt is felt to shear, but the head does not immediately become free, the direction of rotation should be reversed until the bolt head detaches itself.