



Connector Application HVETM Cable End Terminations

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. Arrange the conductor to be terminated in its final position.
2. Place or temporarily bolt the connector into position.
3. Mark the conductor at a point level with the bottom of the termination barrel.
4. Cut the conductor at a point 70mm above this mark.
5. Remove the insulation to 80mm from the conductor.
6. If the conductor is oil-impregnated, remove any oil on the outer strands.
7. Insert the prepared conductor end into the connector.
8. Fit the bolts to the connector and tighten them up 'hand tight'. Then using a 19mm socket, tighten each bolt half a turn at a time before moving on to the next bolt and repeat the operation to ensure that all the bolts are evenly and progressively tightened until the heads shear off.
9. Clean the palm contact surfaces immediately prior to bolting up.

Notes:

- a) For sector shaped stranded aluminium conductors, fitting is facilitated if, prior to removal of the insulation, the conductor is circularised where it is to enter the connector. this is only necessary on the largest conductor size for which the connector is intended.
- b) An adjustable connector holding tool is available for the connectors (IT-1000-019).
- c) 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.