

- H. Cables shall be terminated with correct size and type of cable glands. Armoured cables shall be terminated with brass mechanical glands providing mechanical support to the cable by locking on to the cable armouring, brass earthing tag with earth ring shall be provided with the gland for earthing of armour of the cable. Unarmoured cables shall be provided with brass mechanical glands with special ring / insulated adopter inside gland for support to cable to avoid injury to the outer PVC of the cable. Cable gland for single core cables shall be of non ferrous material. PVC gland shroud shall be provided over the gland to provide effective seal on the cable and cable gland. PVC slip over coloured sleeves, matching with colour of the cores of the cable, shall be provided over the terminals of the equipment. .
- I. All cut ends of cables shall be immediately sealed or terminated in their final position. Cables shall always be drawn from the top of their drum. Cable rollers or skid boards shall be used when long cables are being drawn.
- J. Sub-main cables shall be routed on cable trays and installed by leaving a spacing between adjacent cables greater than twice the outer diameter of the larger cable.
- K. Where cable shall pass below roads or any other structure they shall be installed in suitable ducts or concrete trenches.
- L. Where cable passes through floor, fire proof barriers suitable and from civil defence authorities approved fire shops shall be used.

1.3.31.9 Trench Work

- A. The excavation and backfilling of cable trench work shall be carried out by the Contractor and he shall be responsible for ensuring that all trench work is adequate for his needs. The Contractor shall supply and lay the sand bedding, cables, sand blinding, cable cover tiles and marker tape.
- B. Cable pulling pits shall be foreseen at change of cable direction and at distances of not exceeding 20 m. Cables crossing in paved areas shall be laid in conduits, PVC-u pipes DN \geq 150 mm, encased in concrete. with 2 spare conduits are to be foreseen at each crossing. Pulling pits shall be precast concrete with watertight cast iron covers. Markings on covers shall be "ATTENTION ELECTRIC CABLES". Coating of covers shall be as specified for manhole covers.
- C. Before laying cable, cable trenches shall be backfilled with a 100 mm thick layer of clean sand and compacted. Cables shall be snaked to avoid tension during backfilling. After cables are laid, checked and tested, the trench shall be backfilled