Installation steps for bare copper conductor

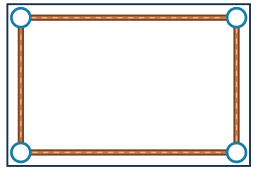
Earthing grid in soil (eight steps) and down conductor and roof mesh (four steps)

BARE STRANDED COPPER · BSCC 006–400 SOFT · BSCD 035–095 HARD

KALOT GROUP · TECHNICAL ILLUSTRATION · NOT TO SCALE

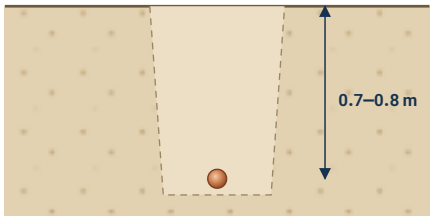
a) Earthing grid and earth ring in soil

Follow the drawing 1



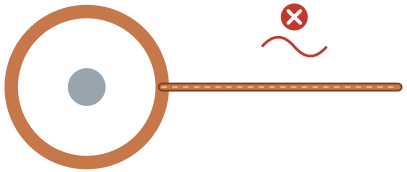
Take the grid route and the earth rod and pit positions from the earthing drawing.

Trench 2



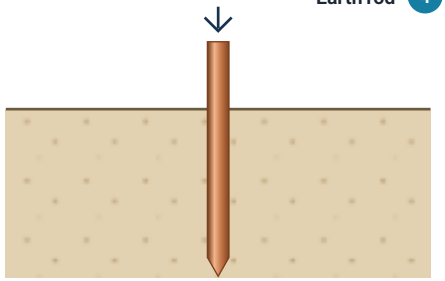
70 to 80 cm deep; in cold regions below frost depth.

Uncoiling the conductor 3



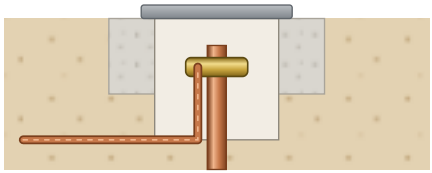
Uncoil the conductor without twists or kinks so the strands do not open.

Earth rod 4



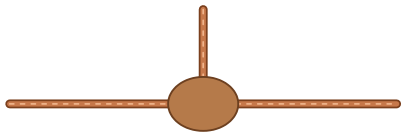
Drive a copper-bonded or copper earth rod at each pit position.

Joint in the pit 5



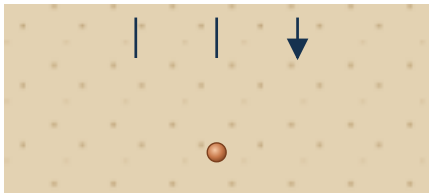
Brass clamp on the earth rod head; pour concrete around the pit.

Buried joints 6



Crossings and branches in soil by exothermic welding only.

Backfilling the trench 7



Fine soil free of stones and debris; in high-resistivity soil, GIM around the conductor.

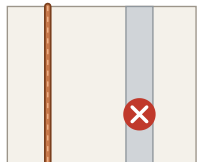
Measurement 8



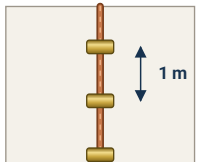
Measure continuity; measure earth resistance at the opened test joint and record it.

b) Down conductor and roof mesh

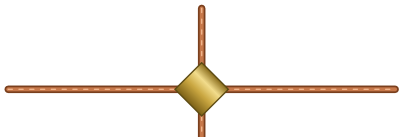
Direct route 1



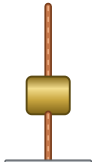
Fixing to the wall 2



Roof crossings 3



Test joint 4





Brass test joint above ground level.

Crossings with the brass four-way clamp.



Brass clamp every 1 m on vertical runs up to 20 m.



Down conductor short and straight; not inside the downpipe.

Figures are illustrative and not to scale.

We keep improving our products; please confirm final dimensions with our experts.

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