Conductor connection modes to the copper plate

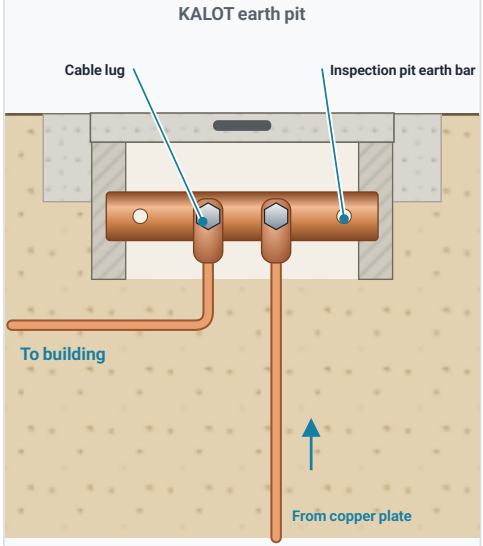
Bare copper conductor and tape by exothermic welding, two-point connection and connection on the earth pit bar

SOLID COPPER EARTH PLATE · SCEP · 660 × 660 / 660 × 500 · H 3 / 5

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4 Connection inside the earth pit

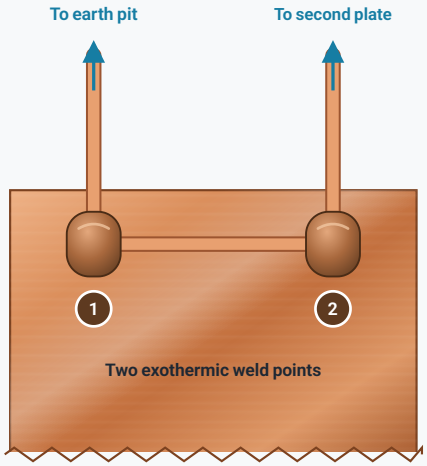
Pit earth bar and cable lug



The plate's bare conductor is fixed to the pit earth bar with a cable lug, so it stays accessible for inspection and measurement; tighten bolts to the manufacturer's instructions.

3 Two-point connection

For extra security

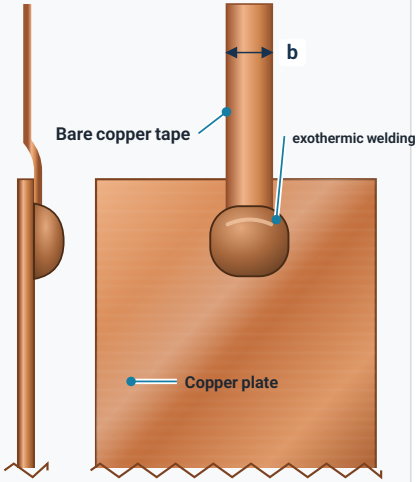


Front view

We weld the conductor to the plate at two points; one end runs to the earth pit and the other can go to a second plate.

2 Bare copper tape, exothermically welded

Our connection method

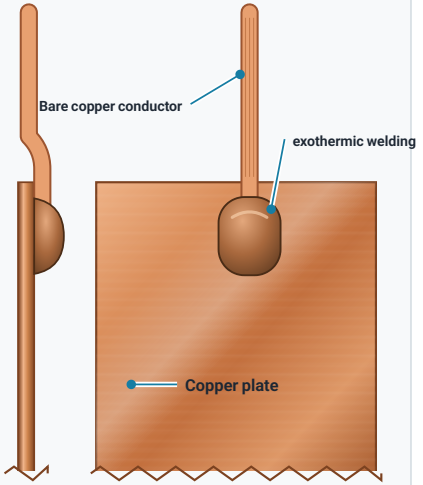


Side view Front view

The bare copper tape lies on the plate face and its end is exothermically welded to the plate; tape width (b) and thickness as designed.

1 Bare copper conductor, exothermically welded

Our connection method



Side view Front view

The bare copper conductor sits on the plate face near the top edge and the exothermic weld fuses it to the plate; a bolt-free joint that never needs retightening.

Conductor cross-section for welding (mm²)

240	120	95	70	50	35	16

Choose the exothermic weld mould by conductor cross-section and joint type; we make all buried joints by exothermic welding, and bolted joints only inside the earth pit.

Figures are illustrative and not to scale.

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

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