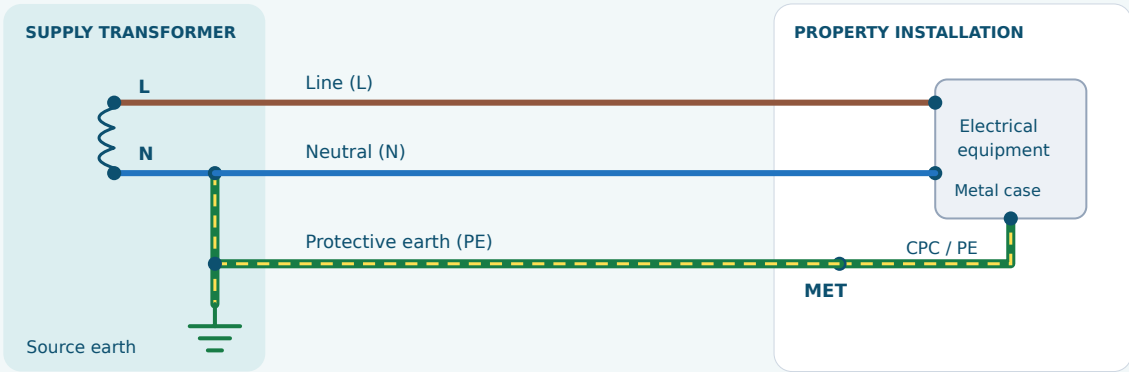


Earthing systems explained

Three common UK arrangements. One essential purpose: electrical safety.

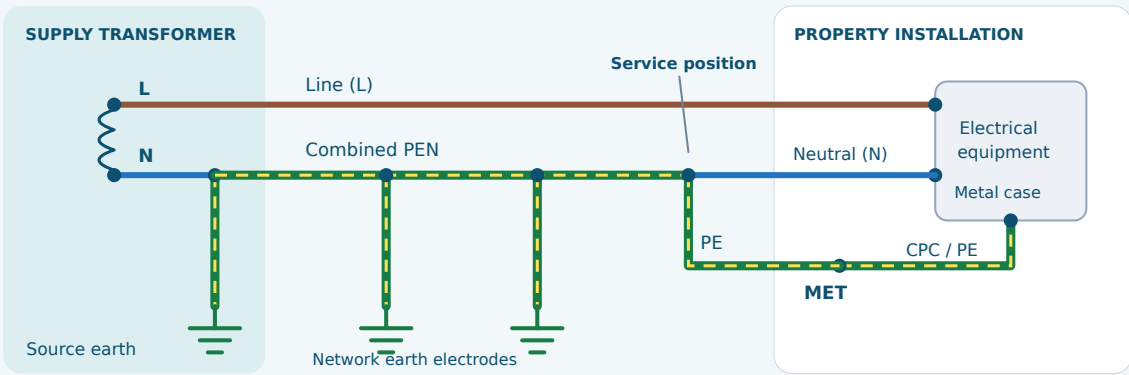
01 TN-S

Separate neutral and protective earth from the supply source.



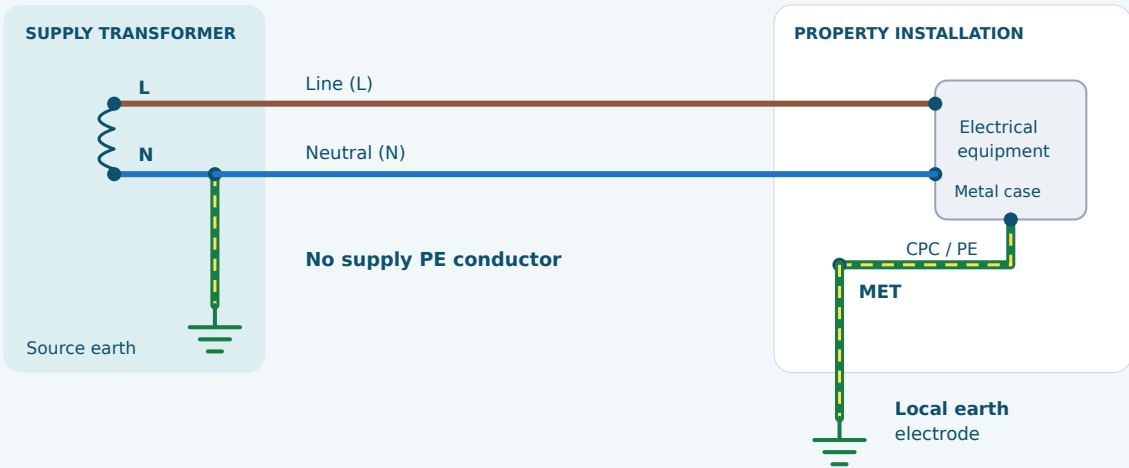
02 TN-C-S / PME

Combined PEN on the network, separated into neutral and earth at the service position.



03 TT

The property has a local earth electrode, independent of the supply earth.



MET: main earthing terminal | PE / CPC: protective earth / circuit protective conductor
PEN: combined protective earth and neutral. TT normally requires RCD fault protection.

Simplified single-phase illustrations. Protective devices and bonding omitted.
Not installation drawings. Confirm the arrangement through professional inspection and testing.