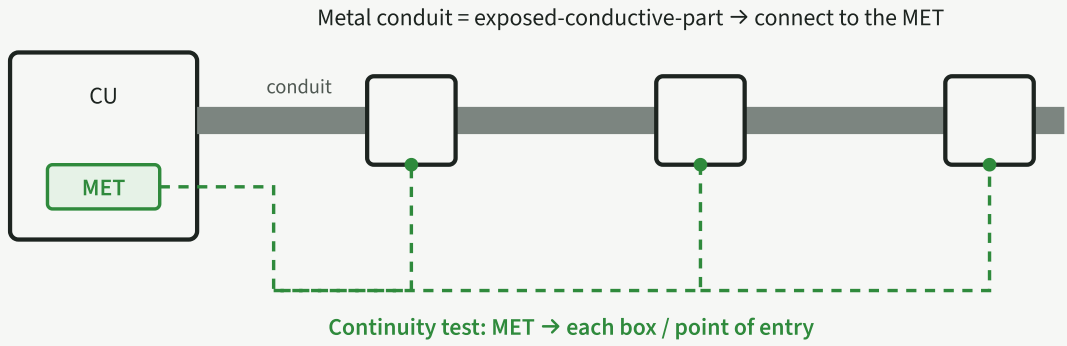
EARTHING METAL CONDUIT

CAN METAL CONDUIT BE THE CPC?

This is **one of the most important things** about metal conduit. Because it's made of metal and contains live conductors, it's an **exposed-conductive-part**: a conductive part that isn't normally live but **can become live under fault conditions**. Nothing stops a damaged conductor touching the inside of the conduit and making the whole run live.

> **The rule**The whole metal conduit system must be **connected to the MET** (main earthing terminal), through a protective conductor, because it's an exposed-conductive-part.

- Some installers draw in only line and neutral and use the **metal conduit itself as the CPC**. That's allowed.
- If you do, then at **initial verification** (testing a new installation) you must **verify the continuity** from the **MET** all the way along the conduit, at the **various points** (boxes and entries).



If the conduit is used as the CPC, prove continuity from the **MET** along the whole run at each box when you first test the installation.

BS 7671 · Section 543 · types of protective conductor (metal conduit is one allowed type)

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