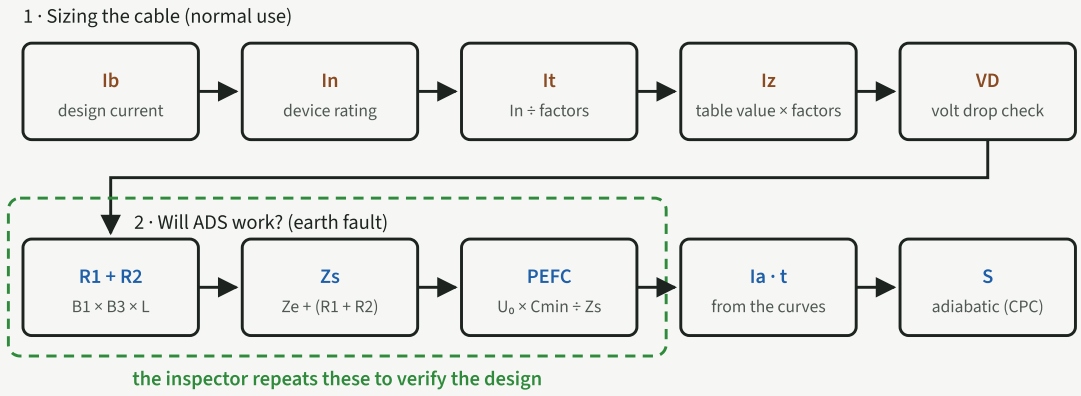
ELECTRICAL CALCULATIONS: DESIGN VS INSPECTION

INSTALLER, DESIGNER OR INSPECTOR. WHO CALCULATES?

Most people cope with the **arithmetic**. What trips them up is knowing **which calculation to use, and when**. That's what this masterclass is for.

- An **installer** doesn't really use calculations. They follow the design they've been given and trust the designer. If they start changing it and re-checking it, they've moved into **design**.
- A **designer** uses the calculations to prove the circuit will work, first in normal use and then in a fault.
- An **inspector** uses some of the **same** calculations to check that what was installed matches the design. So several calculations turn up on both sides.



The calculations in the order a designer uses them, and the order of these notes. The ones in the green box also belong to the **inspector**, so they turn up in inspection and testing too.

Your own summary sheet

Keep every calculation on one summary sheet, with the page numbers from your current books next to each one.

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