ZS: WHAT YOU CHECK IT AGAINST

YOUR B32 READS 1.2 OHMS ON TEST. PASS?

Record Z_s in column 27 of the schedule of test results, then compare it with the maximum. Here's the bit that loses marks: check it against the **maximum measured** value, not the maximum tabulated one.

Tabulated	Measured (≈80%)
BS 7671 Tables 41.2–41.4 at operating temperature	GN3 · On-Site Guide a cold circuit, on test
B32 · 1.37 Ω	**B32 · 1.09 Ω**

your reading on test ≤ the measured maximum

The cable you test is cold, at about room temperature. In use, current warms it and its resistance rises. The measured maximum leaves room for that rise; the tabulated figure assumes it has already happened.

The tabulated maximum is what you wrote on the **schedule of circuit details**. If you used a measured value from Guidance Note 3 or the On-Site Guide there instead, say so in the remarks.

BS 7671 · Tables 41.2–41.4 · maximum Z_s

On-Site Guide · Table B6 · the 80% values

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