

# Grounding Conductor Continuity Calculator

Estimate corrected grounding-conductor resistance and compare it with an entered reference threshold.

Generated October 10, 2026

<https://www.elecatrrix.com/testing-protection-grounding/grounding-conductor-continuity-calculator/>

## Inputs

| Input               | Value | Unit |
|---------------------|-------|------|
| Measured resistance | 0.8   | ohm  |
| Lead resistance     | 0.2   | ohm  |
| Reference threshold | 1     | ohm  |

## Results

| Result                         | Value                    | Unit |
|--------------------------------|--------------------------|------|
| Corrected conductor resistance | 0.6                      | ohm  |
| Threshold margin               | 0.4                      | ohm  |
| Reference comparison           | Within entered reference |      |
| Measured resistance used       | 0.8                      | ohm  |
| Lead resistance used           | 0.2                      | ohm  |

## Calculation details

| Detail            | Value                                                                                                                                     | Unit |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------|
| Calculation basis | Corrected grounding-conductor resistance equals measured resistance less entered test-lead resistance.                                    |      |
| Boundary          | Continuity worksheet only; no bonding, grounding electrode, calibration, test-procedure, safety, or inspection acceptance result is made. |      |

## Formulas

corrected resistance = measured resistance - lead resistance

threshold margin = reference threshold - corrected resistance

within reference when corrected resistance is no greater than the entered threshold

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## Warnings and limitations

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This is continuity worksheet arithmetic only and does not establish grounding, bonding, safety, or inspection acceptance.