

Grounding Electrode Conductor Size Calculator

Compare selected conductor area with an entered grounding value while keeping the result separate from standards-table interpretation.

Generated October 10, 2026

<https://www.elecatrix.com/wire-raceway-ampacity/grounding-electrode-conductor-size-calculator/>

Inputs

Input	Value	Unit
Selected conductor area	41.74	kcmil
Entered required area	26.24	kcmil
Source reference	gec-table-record	

Results

Result	Value	Unit
Selected area	41.74	kcmil
Entered required area	26.24	kcmil
Area margin	15.5	kcmil
Area margin	59.0701	%
Source note	Source reference recorded	
Record comparison	Entered values are comparable	

Calculation details

Detail	Value	Unit
Calculation basis	The calculation compares selected area with the required area entered from a reviewed source record.	
Boundary	Preliminary area comparison only; no grounding-electrode-conductor size is derived from a standards table.	

Formulas

area margin = selected area - entered required area

area margin percent = area margin / entered required area x 100

source status = source reference is present

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Warnings and limitations

Preliminary entered-value comparison only; confirm the adopted rule, source table, conductor material, installation context, and qualified review separately.