

TABLE 250.66 Grounding Electrode Conductor for Alternating-Current Systems

Size of Largest Ungrounded Service-Entrance Conductor or Equivalent Area for Parallel Conductors ^a (AWG/kcmil)		Size of Grounding Electrode Conductor (AWG/kcmil)	
Copper	Aluminum or Copper-Clad Aluminum	Copper	Aluminum or Copper-Clad Aluminum ^b
2 or smaller	1/0 (or smaller)	8 (10mm ²)	6
1 (50mm ²) or 1/0	2/0 or 3/0	6 (16mm ²)	4
2/0 or 3/0	4/0 or 250	4 (25mm ²)	2
Over 3/0 through 350 (185mm ²)	Over 250 through 500	2 (25mm ²)	1/0
Over 350 through 600 (300mm ²)	Over 500 through 900	1/0 (70mm ²)	3/0
Over 600 through 1100 (650mm ²)	Over 900 through 1750	2/0 (70mm ²)	4/0
Over 1100	Over 1750	3/0 (95mm ²)	250

Notes:

1. Where multiple sets of service-entrance conductors are used as permitted in 230.40, Exception No. 2, the equivalent size of the largest