

Grounding Tables

These charts are used to calculate the appropriate grounding Electrode Conductor for services, and mechanical Grounding Conductors for equipment.

NOTE: These tables are compiled from the 2011 edition of the National Electrical Code.

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Service Entrance Grounding

Largest Service Entrance Conductor or Equivalent		Grounding Electrode Conductor	
Copper	Aluminum	Copper	Aluminum
≤ 2	≤ 1/0	8	6
1 or 1/0	2/0 Or 3/0	6	4
2/0 Or 3/0	4/0 or 250	4	2
>3/0 - 350	>250 - 500	2	1/0
>350 - 600	>500 - 900	1/0	3/0

The above BASIC information is taken from Table 250.66 of the N.E.C.

*See notes accompanying charts in the N.E.C. pertaining to the tables.

Equipment Grounding

Maximum
Fuse or

Breaker	Copper	Aluminum
15	14	12
20	12	10
60	10	8
100	8	6
200	6	4
300	4	2
400	3	1
500	2	1/0
600	1	2/0
800	1/0	3/0

The above BASIC information is taken from Table 250.122 of the N.E.C.

*See notes accompanying charts in the N.E.C. pertaining to the tables.

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