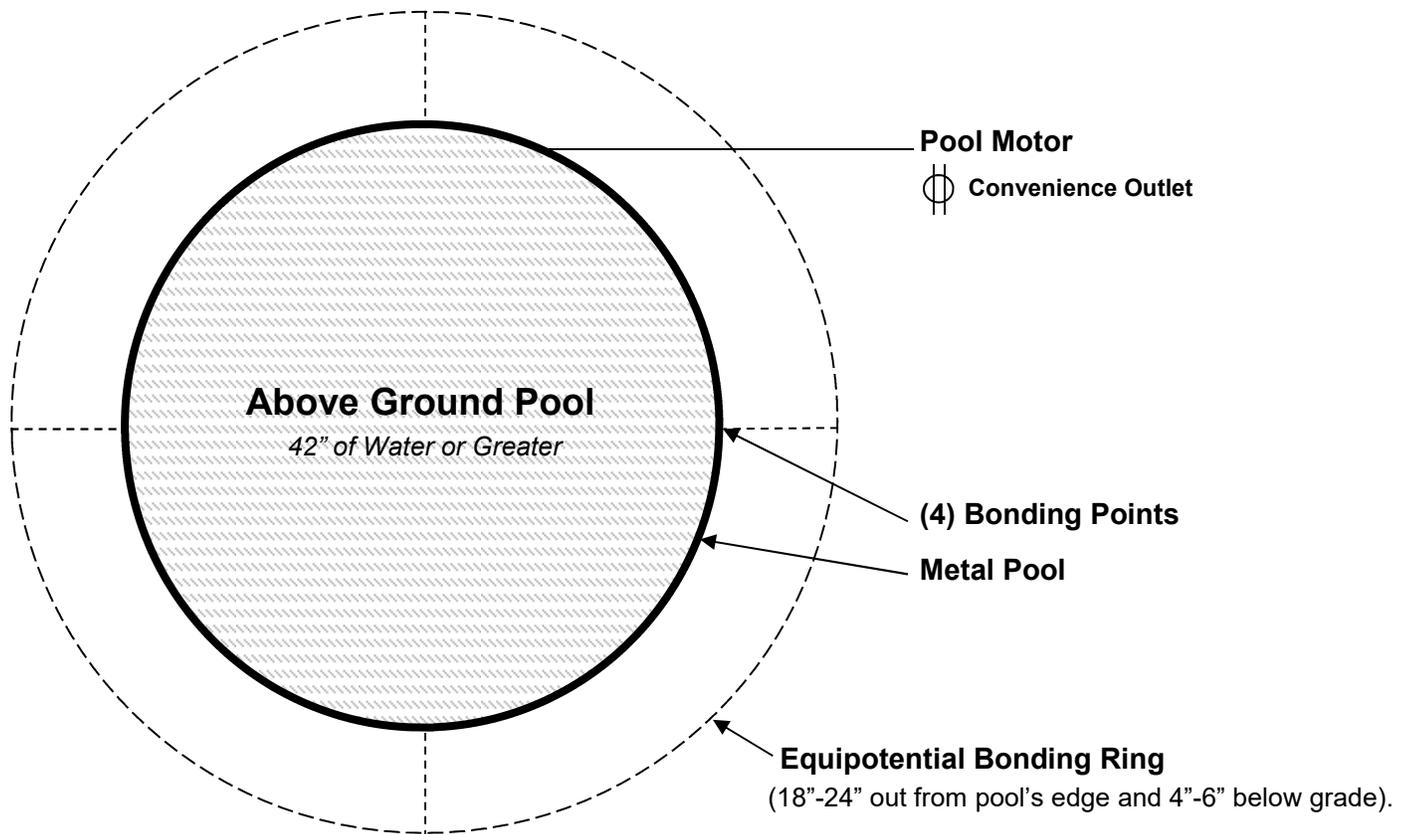


This illustration is a summary of the National Electric Code for above ground pool bonding. It is not intended to be comprehensive of all conditions; user acknowledges that all work shall comply with the NEC and assumes all risk.

ABOVE GROUND POOL BONDING / ELECTRICAL REQUIREMENTS



- **Equipotential bonding grid:** 18-24 inches from the pool's edge and 4-6 inches below grade level. The grid shall be tied back to the pool (*if metal*) at four (4) equal points around the pool and shall extend back to the casing of the pool motor. Bonding wire shall be a minimum #8 copper (bare). Bonding of the pool water is also required by an approved method (Article 680.26; NEC).
- **Wiring to pool pump:** installed in an approved raceway and the wiring shall be approved for wet locations if installed in a corrosive environment. Where installed in a non-corrosive environment, the wiring method shall meet the requirements of Chapter 3 of the 2017 NEC (Article 300.5; NEC).
- **Conduit:** buried eighteen 18-inches below grade level *unless installed on a 120-volt; 20-amp GFCI circuit where the burial depth can be reduced to twelve 12-inches.*
- **Pool motor:** if plugged into a receptacle, then the receptacle shall be a type WR with an in-use cover. It shall be a minimum (6) six-feet from the pool and shall be GFCI protected (Article 680.22, 680.21, and 406.9).
- **Receptacle:** a fifteen (15) or twenty (20) amp general purpose receptacle shall be installed no closer than (6') six and no further than (20') twenty-feet from the pool edge and shall be a type WR and GFCI protected (Article 680.22).
- **Pool pump motor:** GFCI protected. (Article 680.21).
- **In-ground pool:** comply with NEC (Article 680).