



POOL ELECTRICAL REQUIREMENTS

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| <u>Section 106.1.3(8)</u> | 1. | Provide a complete description of the electrical work, including materials, type and size of all electrical conductors indicating all wiring methods; one-line diagram for power distribution including service bonding and grounding details; provide panel schedules including overcurrent protection ratings. |
| Section 106.1.3(8) | 2. | Provide a complete description of the electrical work, including: specification of pump and heater, general routing, location and type of all pool lighting and pool power equipment; type, size, and number of conductors in raceways, indicate all wiring methods. Provide feeder information panel schedule including identification of circuits and overcurrent protection ratings. |
| NEC 680.21(A)(1) | 3. | The branch circuits for pool-associated motors shall be installed in rigid metal conduit, intermediate metal conduit, rigid polyvinyl chloride conduit, reinforced thermosetting resin conduit, or Type MC cable listed for the location. Other wiring methods and materials shall be permitted in specific locations or applications as covered in this section. Any wiring method employed shall contain an insulated copper equipment grounding conductor sized in accordance with 250.122 but not smaller than 12 AWG. |
| NEC 680.22(A)(1) | 4. | Where a permanently installed pool is installed, no fewer than one 125-volt, 15- or 20-ampere receptacle on a general-purpose branch circuit shall be located not less than 1.83 m (6 ft) from, and not more than 6.0 m (20 ft) from, the inside wall of the pool. This receptacle shall be located not more than 2.0 m (6 ft 6 in.) above the floor, platform, or grade level serving the pool. |
| NEC 680.22(A)(2) | 5. | Receptacles that provide power for water-pump motors or for other loads directly related to the circulation and sanitation system shall be located at least 3.0 m (10 ft) from the inside walls of the pool, or not less than 1.83 m (6 ft) from the inside walls of the pool if they meet all of the following conditions:
(1) Consist of single receptacles
(2) Are of the grounding type
(3) Have GFCI protection |
| NEC 680.22(A)(4) | 6. | All 15- and 20-ampere, single-phase, 125-volt receptacles located within 6.0 m (20 ft) of the inside walls of a pool shall be protected by a ground-fault circuit interrupter. |



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| NEC 680.26(B) | 7. | The parts specified in 680.26(B)(1) through (B)(7) shall be bonded together using solid copper conductors, insulated covered, or bare, not smaller than 8 AWG or with rigid metal conduit of brass or other identified corrosion-resistant metal. |
| NEC 680.26(C) | 8. | Where none of the bonded parts is in direct connection with the pool water, the pool water shall be in direct contact with an approved corrosion-resistant conductive surface that exposes not less than 9 square inches of surface area to the pool water at all times. The conductive surface shall be located where it is not exposed to physical damage or dislodgement during usual pool activities, and it shall be bonded in accordance with 680.26(B). |