

1999 N.E.C.

**All inground pools and any pool over 18' dimension above ground is to be considered permanently installed pools\***

**\*Holding water depth greater than 42"**

1. If pump motor is located from 5' to 10' from outside pool wall, the receptacle must be single/ twist locking/GFCI protected. **Article 680-6(a)(1)ex**
2. A receptacle installed outdoors where exposed to weather or in other wet locations shall be in a weatherproof enclosure, the integrity of which is not affected when receptacle is in use.  
**Article 410-57**
3. Pump motor cord to facilitate the removal or disconnection for maintenance or repair. The cord shall not exceed 3' long and shall have a grounding wire of not smaller than No.#12 AWG copper.  
**Article 680-7**
4. Circuit line for pump motor shall be a continuous line going directly to panel box, and to be isolated from all other receptacles. **Article 430-22 / 430-52**
5. Wiring for pump motor receptacle shall not have less than No.#12 AWG insulated copper grounding wire, and to be in conduit, except entering building can change wiring method, but ground wire shall be insulated or covered. **Article 680-25(5)(C)**
6. All PVC conduit must be buried at least 18" deep, or metal rigid conduit must be at least 6" deep. Use #4 on list  
**Article 680-10**
7. At least one convenience receptacle must be located not closer than 10' but no farther than 20' from pool wall, and to be GFI protected. **Article 680-6(a)(2)**
8. No UF cable can be used except for convenience receptacle only. **Article 680-25(f)**
9. All metal parts must be bonded together, a No.#8 or larger solid bare copper wire must be used. (motor, ladders, frame, diving board, lights etc.) **Article 680-22**
10. When bonding pool frame or any metal parts to main bonding wire or wire mesh, you must use non-corrosion clamps. **Article 680-22(A)(B)**
11. For dry niche, wet niche, no niche lighting fixtures. **Article 680-20 / 680-25(B)**
12. For any lighting fixtures outside pool. **Article 680-6(b)(1)(2)(3)**

**Energy Code of New York State requirements**

1. Time clocks shall be installed on pump motors for energy conservation. **Section 504.3.3**
2. Pool heaters shall be installed with an on/off switch mounted for easy access.  
**Article 504.3.1**