

Section 68 — Pools, tubs, and spas

Scope

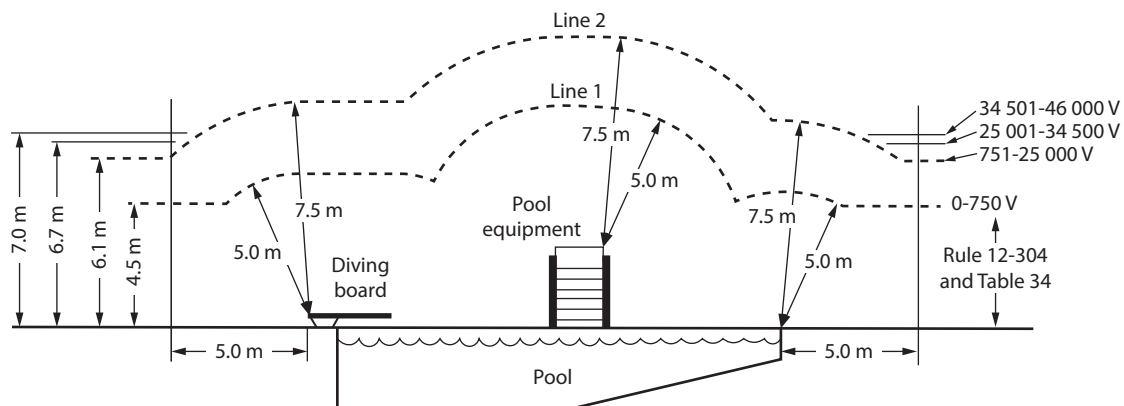
68-000 Scope

- 1) This Section applies to
 - a) electrical installations and electrical equipment in or adjacent to pools; and
 - b) non-electrical metal accessories in a pool or within 3 m of the inside wall of a pool.
- 2) A pool shall be deemed to include
 - a) permanently installed and storable swimming pools;
 - b) hydromassage bathtubs;
 - c) spas and hot tubs;
 - d) wading pools;
 - e) baptismal pools;
 - f) decorative pools; and
 - g) splash pads.

68-054 Overhead wiring

- 1) No pool shall be placed under or near overhead wiring, and no overhead wiring shall be placed over or near a pool, unless the installation complies with the requirements of this Rule.
- 2) There shall not be any overhead wiring above the pool and other elevated surfaces associated with the pool, such as a diving structure, slide, swings, observation stand, tower, or platform, or above the adjacent area extending 5.0 m horizontally from the pool edge
- 3) Communication cables, communication antenna distribution cables, and neutral supported cables not exceeding 750 V shall be permitted to be located over a pool and other elevated surfaces associated with the pool, or above the adjacent area extending horizontally from the pool edge, provided that there is a clearance of at least 5.0 m measured from the outer edge of the pool or from other elevated surfaces associated with the pool.

Figure B68-1
Minimum clearances for conductors over swimming pools



68-056 Underground wiring

The horizontal separation between the inside walls of a pool and underground cables or insulated conductors in a raceway, except for bonding conductors or cables or insulated conductors in a raceway supplying electrical equipment associated with the pool and protected by a Class A ground fault circuit interrupter, shall be not less than that shown in Table 61.

Table 61
Minimum buried cable horizontal separations from pools
 (See Rule 68-056.)

Type of installation	Minimum horizontal separation, m	
	Direct buried unjacketed cable with bare neutral or cables with a semi-conducting jacket	Cables with a non-conducting jacket or insulated conductors in non-conducting raceways
Communication conductors	1.5	1.0
Power cables and insulated conductors		
0-750 V	1.5	1.0
751-15 000 V	3.0	1.5
15 001-28 000 V	6.0	2.0

68-058 Bonding

1) The metal parts of the pool and of other non-electrical equipment associated with the pool, such as piping, pool reinforcing steel, ladders, diving board supports, and fences within 1.5 m of the pool, shall be bonded together and to non-current-carrying metal parts of electrical equipment such as decorative-type pool luminaires and lighting equipment not located in a forming shell, forming shells, metal screens of shields for underwater speakers, conduit, junction boxes, and the like by a copper bonding conductor. (automated covers)

68-064 Receptacles

- 1) Receptacles shall not be located within 1.5 m of the inside walls of a pool.
- 3) In maintaining the dimensions referred to in this Rule, the distance to be measured shall be the shortest path that the power supply cord of an appliance connected to the receptacle would follow without piercing a building floor, wall, or ceiling.

68-066 Luminaires and lighting equipment

6) Luminaires installed below, or within 3 m of, the pool surface or walls, and not suitably separated from the pool area by a fence, wall, or other permanent barrier, shall be electrically protected by a Class A ground fault circuit interrupter.

7) Standards or supports for luminaires shall not be installed within 3 m of the inside walls of a swimming pool unless such luminaires are protected by Class A ground fault circuit interrupters

68-068 Ground fault circuit interrupters

6) Class A ground fault circuit interrupters shall be installed

a) in a location that will facilitate the testing required in Subrule 5); (tested regularly)

b) not closer than 3 m to the pool water except as permitted by Item c); and

c) not closer than 3 m to the pool water in a spa or hot tub, unless the Class A ground fault circuit interrupter is an integral part of an approved factory-built spa, hot tub, or is located behind a barrier that will prevent the occupant of the pool from contacting the device.

Appendix B Rule 68-068 6) The separation is intended to prevent the occupant of the pool from resetting the ground fault circuit interrupter. This separation should be the shortest unobstructed distance, which need not follow a straight line.