## Wiring Methods

In part (A) (1), the rules specifically requires an equipment grounding conductor for "pool-associated motors." The rule requires that a circuit to a pool filter-or any other "pool-associated motor"- must be run in rigid metal conduit (steel), in intermediate metal conduit (so-called IMC), in rigid nonmetallic conduit (such as Schedule 40 or Schedule 80 PVC conduit), or in Type MC cable that is "listed" for the application. And for all such circuits to pool motors, a separated equipment grounding conductor of the proper size must be run in the raceway or cable with the branch-circuit conductors.

***Note**: This rule clearly eliminates past confusion and disputed Code practice. It requires one of the three raceways or Type MC cable to feed a filter pump and does not permit use of Type UF or type use cable for the pump circuit, as shown in Fig. 680-5.

Any part of the circuit outdoors (not on a building) must be one of the three rigid conduits described in the basic rule.

The basic rule here prohibits receptacles within 10 ft (3.0 m) from the pool edge, and part (A)(5) calls for GFCIs to protect all 120-V receptacles located between 10 and 20 ft (3.0 and 6.0 m) of the inside wall s of indoor & outdoor pools. But part (A) (1) permits the installation of a receptacle for a swimming pool or fountain recirculating pump, "or other loads directly related to circulation and sanitation," less than 10 ft (3.0 m ) but not closer than 5 ft (1.5 m) from the inside wall of pool.

Such a receptacle must be a single receptacle of the locking and grounding type and must have GFCI protection for any receptacle fed at 120 or 240V used to supply a cord-and-connected pump at the dwelling unit.