



## **NOTICE TO INDUSTRY**

### **Electrical - Corrosive Environments SE/R Cables and Non-metallic Sheathed Cables**

### **EFFECTIVE IMMEDIATELY**

Regarding the use of SE/R cable for exterior electrical panels located in the vicinity of pool equipment, it is the interpretation of the building official that when such equipment is installed outdoors and not beneath enclosed structures such as decks, the area is considered a well-ventilated environment. Accordingly, the use of SE/R cable is permissible solely for the feeder to the exterior electrical panel.

Please note that all branch circuits supplying power to pool-related equipment from the aforementioned panel must comply fully with the requirements of the 2020 National Electrical Code (NEC).

Furthermore, any approved plans must be adhered to or revised to accurately reflect the actual installation work performed.

Be advised that with the future adoption of the 2023 NEC, changes to relevant code requirements will be enforced and must be followed accordingly.

#### **NEC 2020**

#### **680.2 Definitions.**

##### **Corrosive Environment.**

Areas where pool sanitation chemicals are stored, handled, or dispensed, and confined areas under decks adjacent to such areas, as well as areas with circulation pumps, automatic chlorinators, filters, open areas under decks adjacent to or abutting the pool structure, and similar locations.

#### **680.14 Wiring Methods in Corrosive Environment.**

Wiring methods in a corrosive environment shall be listed and identified for use in such areas. Rigid metal conduit, intermediate metal conduit, rigid polyvinyl chloride conduit, and reinforced thermosetting resin conduit shall be considered to be resistant to the corrosive environment.



**680.25 Feeders.**

These provisions shall apply to any feeder on the supply side of panelboards supplying branch circuits for pool equipment covered in Part II of this article and on the load side of the service equipment or the source of a separately derived system.

(A) Feeders.

Where feeders are installed in corrosive environments as described in 680.2, Corrosive Environment, the wiring method of that portion of the feeder shall be in accordance with 680.14 or shall be liquidtight flexible nonmetallic conduit. Wiring methods installed in corrosive environments shall contain an insulated copper equipment grounding conductor sized in accordance with Table 250.122, but not smaller than 12 AWG.