

## SECTION 16030

### CONDUCTORS

#### 1.01 SUBMITTALS

- A. Shop drawings shall be submitted and shall consist of manufacturer's published literature.

#### 1.02 MANUFACTURERS

- A. Acceptable manufacturers are:
  - 1. General Cable
  - 2. The Okonite Company
  - 3. Cerro
  - 4. Superior
  - 5. Southwire
  - 6. American Wire & Cable
  - 7. CME Wire & Cable
  - 8. Colonial Wire
  - 9. Encore Wire Corporation
- B. All wiring shall be manufactured in the United States.

#### 1.03 MATERIALS

- A. Ratings and sizes:
  - 1. Shall be not less than indicated on the drawings and not less than required by the NEC.
  - 2. Minimum size shall be No. 12 AWG copper provided the maximum voltage drops in the control circuits will not adversely affect the operation of the controls.
  - 3. Conductor sizes indicated on the drawings are for copper conductors.
- B. Conductors and ground wires:
  - 1. Shall be copper.
  - 2. Size No. 8 AWG and larger shall be stranded.
  - 3. Size No. 10 AWG and smaller shall be solid.
- C. Conductor insulation:
  - 1. Conductor insulation shall be the NEC type THHN/THWN.
- D. Wire shall be factory color coded in size No. 6 and smaller. Color shall be by integral pigmentation with a separate color for each phase, neutral and grounding conductor. Color code per phase shall be continuous throughout the project.