**SECTION 26 05 19**

**EQUIPMENT WIRING SYSTEMS**

**PART 1 GENERAL**

1. WORK INCLUDED
   1. Electrical connections to equipment specified under other Sections or furnished by Owner.
2. REFERENCES
   1. FS W C-596 ‑ Electrical Power Connector, Plug, Receptacle, and Cable Outlet
   2. NEMA WD 1 ‑ General Requirements for Wiring Devices
   3. NEMA WD 5 ‑ Specific Purpose Wiring Devices

**PART 2 PRODUCTS**

1. CORDS AND CAPS
   1. Straight-blade Attachment Plug: NEMA WD 1
   2. Locking-blade Attachment Plug: NEMA WD 5
   3. Attachment Plug Configuration: Match receptacle configuration at outlet provided for equipment.
   4. Cord Construction: Oil-resistant thermoset insulated Type SO multi-conductor flexible cord with identified equipment grounding conductor, suitable for extra hard usage in damp locations.
   5. Cord Size: Suitable for connected load of equipment and rating of branch circuit over current protection.

**PART 3 EXECUTION**

1. INSPECTION
   1. Verify that equipment is ready for electrical connection, wiring, and energization.
2. PREPARATION
   1. Review equipment submittals prior to installation and electrical rough in.
   2. Verify location, size, and type of connections.
   3. Coordinate details of equipment connections with supplier and installer.
3. INSTALLATION
   1. Use wire and cable with insulation listed by a nationally recognized testing lab for the installations environmental conditions.
   2. Install pre-finished cord set where connection with attachment plug is indicated or specified, or use attachment plug with suitable strain-relief clamps.
   3. Provide suitable strain-relief clamps for cord connections to outlet boxes and equipment connection boxes.
   4. Make wiring connections in control panel or in wiring compartment of prewired equipment in accordance with manufacturer's instructions.
      1. Provide interconnecting wiring where indicated.
   5. Install disconnect switches, controllers, control stations, and control devices such as limit switches and temperature switches as indicated.
      1. Connect with conduit and wiring as indicated.

END OF SECTION