

SECTION 260505
EQUIPMENT WIRING SYSTEMS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Electrical connections to equipment specified under other sections.

1.2 RELATED SECTIONS

- A. Division 01 - Summary of Work.
- B. Division 08 - Overhead Coiling Doors.
- C. Division 11 - Food Services Equipment.
- D. Division 11 - Laboratory Equipment.
- E. Division 14 - Electric Elevators - Passenger.
- F. Section 22 34 36 - Plumbing Equipment.
- G. Section 26 05 19 - Building Wire and Cable.
- H. Section 26 05 33 - Conduit.
- I. Section 26 05 34 - Boxes.

1.3 COORDINATION

- A. Coordinate work under provisions of Division 01, Division 11, Division 12, Division 14, and Division 23. Responsibility for furnishing and installing components, material, conduit, wiring, etc., is as assigned in those Divisions. Control wiring at 120 volts or higher shall be furnished and installed by Division 26. Where responsibility is not specifically assigned, labor and materials shall be furnished by Division 26. Installer shall meet requirements of this Section.
- B. Obtain and review shop drawings, product data, manufacturers wiring diagrams and manufacturer's instructions for equipment furnished under other Divisions or Sections.
- C. Determine connection locations and requirements based on installation requirements in each Division or Section.
- D. Sequence rough-in of electrical connections to coordinate with installation of equipment.
- E. Sequence electrical connections to coordinate with start-up of equipment.

PART 2 PRODUCTS

2.1 CORDS AND CAPS

- A. Attachment Plug Construction: Conform to NEMA WD 1.
- B. Configuration: NEMA WD 6; match receptacle configuration at outlet provided for equipment.

- C. Cord Construction: NFPA 70, Type SO multi conductor flexible cord with identified equipment grounding conductor, suitable for use in damp locations.
- D. Size: Suitable for connected load of equipment, length of cord, and rating of branch circuit overcurrent protection.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify conditions under the provisions of Divisions noted in 1.3.A.
- B. Verify that equipment is ready for electrical connection, wiring, and energization.

3.2 ELECTRICAL CONNECTIONS

- A. Make electrical connections in accordance with the equipment manufacturer's instructions.
- B. Make conduit connections to equipment using flexible conduit. Use liquidtight flexible conduit with watertight connectors in damp or wet locations.
- C. Connect heat producing equipment using wire and cable with insulation suitable for temperatures encountered.
- D. Provide receptacle outlet to accommodate connection with attachment plug.
- E. Provide cord and cap where field-supplied attachment plug is required.
- F. Install suitable strain-relief clamps and fittings for cord connections at outlet boxes and equipment connection boxes.
- G. Install disconnect switches, controllers, control stations, and control devices to complete equipment wiring requirements. These devices shall not be mounted to equipment, only to adjacent structural elements.
- H. Install terminal block jumpers to complete equipment wiring requirements.
- I. Install interconnecting conduit and wiring between devices and equipment to complete equipment wiring requirements.
- J. Coolers and Freezers: Cut and seal conduit openings in freezer and cooler walls, floor, and ceilings.

END OF SECTION