

Division 16 – Electrical
Section 16141 – Wiring Devices

1. General

1.01 Summary

- A. This Section includes requirements for the furnishing and installing of fire rated wiring devices.
- B. Furnish and install all fire rated wiring devices and associated hardware as shown on the Contract Drawings and as hereinafter specified.
- C. All devices shall be heavy-duty specification grade with an intumescent insert material allowing for 0 to 100-percent visual fill of conductors.
- D. The same manufacturer shall supply all furnished fire rated devices and associated hardware.

1.02 Related Work

- A. Related Work specified elsewhere includes: (but not limited to)
 - 1. SECTION 07840 – FIRESTOPPING
 - 2. SECTION 16010 – GENERAL PROVISIONS
 - 3. SECTION 16195 – ELECTRICAL IDENTIFICATION
 - 4. SECTION 16950 – ELECTRICAL TESTING

1.03 Quality Assurance

- A. Fire rated wiring devices shall bear the UL Classification marking.
- B. Device shall be tested in accordance with ASTM E 814 (ANSI/UL1479).

2. Products

2.01 Fire Rated Wiring Devices

- A. Wiring devices:
 - 1. Cables passing through fire-rated floors or walls shall pass through fire-rated wiring devices which contain an intumescent insert

material that adjusts automatically to cable additions or subtractions.

2. The device shall have an F Rating equal to the rating of the barrier in which the device is installed.
3. Wiring devices shall be capable of allowing a 0 to 100-percent visual fill of cables.
4. Wire devices shall be of a sufficient size to accommodate the quantity and size of electrical wires and data cables required.
5. Wire devices to be provided with steel wall plates allowing for single or multiple devices to be ganged together.

B. Acceptable Manufacturers:

1. Specified Technologies Inc.
 - a. EZ-PATH Fire Rated Pathway

3. Execution

3.01 Installation:

- A. Wiring devices shall be installed in locations where indicated on the Contract Drawings, arranged singly or in gangs at the height specified.
- B. Install the devices in strict accordance with the approved shop drawings and the equipment manufacturer's recommendations.
- C. Apply the factory supplied gasketing material prior to the installation of the wall plates.
- D. Secure wall plates to devices per the equipment manufacturer's recommendations.

END SECTION 16141

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