

SECTION 28 05 33 {16130}

CONDUITS AND BACKBOXES FOR ELECTRONIC SAFETY AND SECURITY

{CONDUITS AND BACKBOXES FOR ELECTRONIC SAFETY AND SECURITY}

This section includes conduit and backboxes for electronic safety and security wiring.

Manufacturers listed in this section were identified as representative and not as an endorsement for meeting this specification. For additional product information, visit 4Specs at www.4specs.com, ARCAT at www.arcat.com, First Source at www.reedfirstsource.com, SpecSource at www.specsource.com, and Sweets Network at products.construction.com.

This section includes performance, proprietary, and descriptive type specifications. Edit to avoid conflicting requirements.

Contact the CSRF Support Center at supportcenter@csrf.org to submit comments or suggestions for improvements to this specification. Visit the SPECTEXT web site at www.spectext.com for current product announcements.

PART 1 GENERAL

1.1 SUMMARY

- A. Section includes conduit and tubing, surface raceways, wireways, outlet boxes, pull and junction boxes, and handholes.
- B. Related Sections:
 - 1. Section 26 05 03 - Equipment Wiring Connections.
 - 2. Section 26 05 33 - Raceway and Boxes for Electrical Systems.
 - 3. Section 26 05 34 - Floor Boxes for Electrical Systems.
 - 4. Section 26 05 36 - Cable Trays for Electrical Systems.
 - 5. Section 26 05 39 - Underfloor Raceways for Electrical Systems.
 - 6. Section 26 27 16 - Electrical Cabinets and Enclosures.
 - 7. Section 26 27 26 - Wiring Devices.
 - 8. Section 27 05 33 - Conduits and Backboxes for Communications Systems.
 - 9. Section 27 05 36 - Cable Trays for Communications Systems.
 - 10. Section 28 05 29 - Hangers and Supports for Electronic Safety and Security.
 - 11. Section 28 05 36 - Cable Trays for Electronic Safety and Security.
 - 12. Section 28 05 53 - Identification for Electronic Safety and Security.
- C. Related Sections:
 - 1. Section 16072 - Hangers and Supports for Electronic Safety and Security.
 - 2. Section 16077 - Identification for Electronic Safety and Security.
 - 3. Section 16128 - Raceway and Boxes for Electrical Systems.
 - 4. Section 16129 - Conduits and Backboxes for Communications Systems.

5. Section 16131 - Cabinets and Enclosures.
6. Section 16133 - Cable Trays for Electrical Systems.
7. Section 16134 - Cable Trays for Communications Systems.
8. Section 16135 - Cable Trays for Electronic Safety and Security.
9. Section 16136 - Underfloor Raceway Assemblies.
10. Section 16140 - Wiring Devices.
11. Section 16141 - Floor Boxes.
12. Section 16150 - Wiring Connections.

1.2 UNIT PRICE - MEASUREMENT AND PAYMENT

Use this article ONLY when Work of this section is performed under unit price payment method. Delete this article when payment is by Stipulated Sum/Price.

- A. Raceway:
 1. Basis of Measurement: By **linear foot** [_____] ([meter] [_____]).
 2. Basis of Payment: Includes materials, delivery, handling, and installing.
- B. Boxes:
 1. Basis of Measurement: By **cubic foot** [_____] ([mm] [_____]).
 2. Basis of Payment: Includes materials, delivery, handling, and installing.

1.3 REFERENCES

List reference standards included within text of this section. Edit the following for Project conditions.

- A. American National Standards Institute:
 1. ANSI C80.1 - Rigid Steel Conduit, Zinc Coated.
 2. ANSI C80.3 - Specification for Electrical Metallic Tubing, Zinc Coated.
 3. ANSI C80.5 - Aluminum Rigid Conduit - (ARC).
- B. National Electrical Manufacturers Association:
 1. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum).
 2. NEMA FB 1 - Fittings, Cast Metal Boxes, and Conduit Bodies for Conduit and Cable Assemblies.
 3. NEMA OS 1 - Sheet Steel Outlet Boxes, Device Boxes, Covers, and Box Supports.
 4. NEMA OS 2 - Nonmetallic Outlet Boxes, Device Boxes, Covers, and Box Supports.
 5. NEMA RN 1 - Polyvinyl Chloride (PVC) Externally Coated Galvanized Rigid Steel Conduit and Intermediate Metal Conduit.
 6. NEMA TC 2 - Electrical Polyvinyl Chloride (PVC) Tubing and Conduit.
 7. NEMA TC 3 - PVC Fittings for Use with Rigid PVC Conduit and Tubing.