

**SECTION 26 05 33.13A
CONDUIT FOR ELECTRICAL SYSTEMS
SECTION 26 05 33.13**

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. PVC-coated galvanized steel rigid metal conduit.
- B.

1.02 REFERENCE STANDARDS

- A. [NFPA 70](#) - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- B. [UL 6](#) - Electrical Rigid Metal Conduit-Steel; Current Edition, Including All Revisions.

PART 2 - PRODUCTS

2.01 CONDUIT APPLICATIONS

- A. Do not use conduit and associated fittings for applications other than as permitted by [NFPA 70](#) and product listing.
- B. Unless otherwise indicated and where not otherwise restricted, use the conduit types indicated for the specified applications. Where more than one listed application applies, comply with the most restrictive requirements. Where conduit type for a particular application is not specified, use galvanized steel rigid metal conduit.
- C. Exposed, Exterior: Galvanized steel rigid metal conduit.
- D. Exposed exterior: PVC coated rigid Galvanized rigid metal conduit.

2.02 CONDUIT REQUIREMENTS

- A. Existing Work: Where existing conduits are indicated to be reused, they may be reused only where they comply with specified requirements, are free from corrosion, and integrity is verified by pulling a mandrel through them.
- B. Provide all conduit, fittings, supports, and accessories required for a complete raceway system.
- C. Provide products listed, classified, and labeled as suitable for the purpose intended.
- D. Where conduit size is not indicated, size to comply with [NFPA 70](#) but not less than applicable minimum size requirements specified.

2.03 GALVANIZED STEEL RIGID METAL CONDUIT (RMC)

- A. Description: [NFPA 70](#), Type RMC galvanized steel rigid metal conduit and labeled as complying with UL 6.
- B. Fittings:
 - 1. Material: Use steel or malleable iron.
 - 2. Connectors and Couplings: Use threaded type fittings only. Threadless set screw and compression (gland) type fittings are not permitted.

2.04 PVC- COATED GALVANIZED STEEL RIGID METAL CONDUIT (RMC)

- A. Description: [NFPA 70](#), Type RMC galvanized steel rigid metal conduit with external polyvinyl chloride (PVC) coating and listed and labeled as complying with UL 6.

- B. Exterior Coating: Polyvinyl chloride (PVC), nominal thickness of 40 mil.
- C. Interior Coating: Urethane, minimum thickness of 2 mil.

2.05 ACCESSORIES

- A. Corrosion Protection Tape: PVC-based, minimum thickness of 20 mil.
- B. Conduit Joint Compound: Corrosion-resistant, electrically conductive; suitable for use with the conduit to be installed.
- C. Pull Strings: Use nylon cord with average breaking strength of not less than 200 pound-force.
- D. Sealing Compound for Sealing Fittings: Listed for use with particular fittings to be installed

PART 3 - EXECUTION

3.01 3.01 INSTALLATION

- A. Install products in accordance with manufacturer's instructions.
- B. Make penetrations for roof-mounted equipment within associated equipment openings and curbs where possible to minimize roofing system penetrations.
- C. Conduit Support:
 - 1. Secure and support conduits in accordance with [NFPA 70](#) and using suitable supports and methods approved by the authority having jurisdiction.
- D. Provide grounding and bonding.

END OF SECTION 26 05 33.13A 26 05 33.13A