

Allied Tube & Conduit Product Specification

This product specification is written according to the Construction Specifications Institute *MasterFormat*, 2014 Update.

SECTION 26 05 33.13

CONDUIT FOR ELECTRICAL SYSTEMS – Steel Electrical Metallic Tubing (EMT)

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Steel Electrical Metallic Tubing (EMT)
- B. Related Sections
 - 1. Section 26 05 26 “Grounding and Bonding for Electrical Systems”
 - 2. Section 26 05 29 “Hangers and Supports for Electrical Systems”
 - 3. Section 26 05 33.16 “Boxes for Electrical Systems”
 - 4. Section 27 05 33 “Conduits and Backboxes for Communications Systems”
 - 5. Section 25 05 28.33 “Conduits and Backboxes for Integrated Automation”

1.3 REFERENCES

- A. UL 797– *Standard for Electrical Metallic Tubing– Steel*
- B. ANSI C80.3– *American National Standard for Steel Electrical Metallic Tubing (EMT)*
- C. UL 514B – *Standard for Conduit, Tubing and Cable Fittings*
- D. NFPA 70 – *National Electrical Code® (NEC®)*
- E. NECA NEIS 101 – *National Electrical Installation Standard for Installing Steel Conduits*

1.4 SUBMITTALS

- A. Manufacturer’s Product Data
- B. Certifications to applicable standards
- C. Domestic certifications: When required to Buy American Act or Buy America Act, comply with the provisions of Section 01 33 13

1.5 QUALITY ASSURANCE

- A. Electrical Metallic Tubing shall be listed to UL 797 and manufactured in accordance with ANSI C80.3.

- B. Electrical equipment and materials shall be new and comply with the latest codes and standards. No used, re-built, refurbished and/or re-manufactured electrical equipment and materials shall be furnished on this project.
- C. Testing Agency Qualifications: An independent agency, with the experience and capability to conduct the testing indicated, that is a nationally recognized testing laboratory (NRTL) as defined by OSHA in 29 CFR 1910.7 and that is acceptable to authorities having jurisdiction.

1.6 STORAGE AND HANDLING

- A. Storage: Whenever possible, store the conduit indoors to prevent possible discoloration, the accumulation of dirt and to extend the life of the product. If conduit is stored outdoors, it shall be stored in such a way as to allow air circulation and water drain-off and shall not be directly covered with plastic.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

- A. Allied Tube & Conduit, 16100 S. Lathrop Ave, Harvey, IL 60426, www.alliedeg.com

2.2 STEEL ELECTRICAL METALLIC TUBING

- A. EMT shall be available in trade size ½-4.
- B. EMT shall be listed and manufactured in accordance with UL Safety Standard 797 and ANSI C80.3.
- C. EMT shall be labeled or marked showing evidence of third-party listing to product standard.
- D. EMT shall be hot galvanized using a process that combines zinc, a conversion coating, and a clear organic polymer top-coat to form a triple layer of protection against corrosion and abrasion.
- E. EMT shall have an organic interior coating with a highly corrosion- resistant lubricating finish for easy wire-pulling.

2.3 FITTINGS

- A. Fittings shall be listed to UL 514B.

2.4 ELBOWS

- A. Elbows shall be listed to UL 797 and manufactured in accordance with ANSI C80.3.

PART 3 – EXECUTION

3.1 INSTALLATION

- A. EMT shall be installed in compliance with the latest version of the National Electrical Code® (NEC®) and other applicable codes and standards as indicated elsewhere in these specifications.
- B. EMT shall be installed in accordance with NECA National Electrical Installation Standard (NEIS) 101, *Standard for Installing Steel Conduits*.

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END OF SECTION 26 05 33.13