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 – Kwik-Fit® Compression 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. Kwik-Fit ® Compression Steel Electrical Metallic Tubing (EMT) – EMT with integrated compression coupling

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. Kwik-Fit® Compression EMT shall be listed to UL 797 and UL 514B 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 KWIK-FIT® COMPRESSION ELECTRICAL METALLIC TUBING

A. Kwik-Fit® Compression EMT shall be available in trade sizes 1-1/4 through 4.
B. Kwik-Fit® Compression EMT shall be listed to UL Safety Standard 797 and UL 514B and manufactured in accordance with ANSI C80.3. Listing shall include "concrete-tight".
C. Kwik-Fit™ Compression EMT shall be labeled or marked showing evidence of third-party listing to product standards.
D. Kwik-Fit® Compression EMT shall have an integral compression coupling on one end, eliminating the need for separate couplings/connectors.
E. Kwik-Fit™ Compression EMT shall be hot galvanized steel tubing with an E-Z Pull® organic corrosion-resistant interior coating.
F. Kwik-Fit® Compression fitting shall be electro-galvanized steel.

2.4 EMT ELBOWS

A. Elbows shall be listed to UL 797 and manufactured in accordance with ANSI C80.3.
B. Elbows shall be hot-galvanized steel with an organic corrosion-resistant interior coating.

PART 3 – EXECUTION

3.1 INSTALLATION

A. Kwik-Fit® Compression 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. Kwik-Fit® Compression EMT shall be installed in accordance with NECA National Electrical Installation Standard (NEIS) 101, *Standard for Installing Steel Conduits.*
C. Kwik-Fit® Compression EMT shall be installed in dry locations or in concrete.
D. Kwik-Fit® Compression EMT shall be installed by inserting the plain end of the Kwik-Fit® Compression EMT into the coupling end and tightening the gland nut.

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END OF SECTION 26 05 33.13