

EMT • Electrical Metallic Tubing and True Color™ EMT

1.12 H.2
CONDUIT & FITTINGS

FEATURES & SPECIFICATIONS

Manufactured for Long Life

Allied EMT is precision manufactured from high grade mild strip steel for exceptional durability and long-lasting life. Allied EMT is hot galvanized using Allied's patented in-line Flo-Coat™ process. This process combines zinc, a conversion coating, and a clear organic polymer top-coat to form a triple layer of protection against corrosion and abrasion.

E-Z Pull™ EMT combines strength with ductility, providing easy bending, cutting and joining while resisting flattening, kinking and splitting. Available in trade sizes 1/2 – 4.

Coatings

Allied Tube & Conduit's standard EMT (Electrical Metallic Tubing) has a special low friction ID coating called E-Z Pull that greatly improves the slip properties between conduit and wire. With E-Z Pull EMT, wire pulls through the EMT smoothly and easily, making installation easier and faster.

EMI Shielding

Allied EMT is very effective in reducing electromagnetic field levels for encased power distribution circuits, shielding computers and other sensitive electronic equipment from the effects of electromagnetic interference. For more information on EMT shielding, visit www.alliedeg.com to obtain the **GEMI** (Grounding and Electro-Magnetic Interference) software analysis program.

Codes and Standards Compliance

Allied EMT is listed to Underwriters Laboratories Safety Standard UL 797 and meets ANSI C80.3. These standards have been adopted as federal specifications in lieu of WWC 563. EMT is recognized as an equipment grounding conductor by NEC Section 250-118. Documentation for compliance with NEC Article 250 is also available in the **GEMI** (Grounding and Electro-Magnetic Interference) analysis software and related research studies found at the www.alliedeg.com website.



Installation of EMT shall be in accordance with the National Electrical Code and the UL listing information. Allied EMT is listed in category FJMX. Master bundles conform to NEMA Standard RN2.

Specification Data

To specify Allied EMT, include the following: Electrical Metallic Tubing shall be equal to that manufactured by Allied Tube & Conduit Corporation. EMT shall be hot galvanized steel O.D. with an organic corrosion resistant I.D. coating, and shall be listed to UL Safety Standard 797 and manufactured in accordance with ANSI C80.3.

NO EXCEPTION TAKEN ☒ MAKE CORRECTIONS NOTED ☐
REJECTED ☐ REVISE AND RESUBMIT ☐

GAYNER ENGINEERS' REVIEW IS FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT AND WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. COMMENTS MADE DO NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING QUANTITIES, DIMENSIONS, ETC. WITH JOBSITE CONDITIONS, FABRICATION PROCESSES, AND TECHNIQUES OF CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR THE SAFE AND SATISFACTORY PERFORMANCE OF THE WORK, AND FOR COORDINATION OF THE WORK WITH THAT OF ALL OTHER TRADES.

GAYNER ENGINEERS

DATE: May 13, 2013 BY: R. Chow

Electrical Metallic Tubing Weights and Dimensions

| Trade Size | Metric Designator | Approx. Wt. Per 100 Ft. (30.5M) | | Outside Diameter ¹ | | Nominal Wall Thickness | | Red and Galvanized Master Bundle Qty. | | All Other Colors** Master Bundle Qty. | |
|------------|-------------------|---------------------------------|-------|-------------------------------|-------|------------------------|------|---------------------------------------|-------|---------------------------------------|-------|
| 1/2 | 16 | 30 | 13.6 | 0.706 | 17.9 | 0.042 | 1.07 | 7000 | 2135 | 3500 | 10675 |
| 1 | 27 | 67 | 30.4 | 1.163 | 29.5 | 0.057 | 1.45 | 3000 | 915 | 1500* | 4575 |
| 1-1/2 | 41 | 116 | 52.6 | 1.740 | 44.2 | 0.065 | 1.65 | 1500 | 457.5 | 1500 | 4575 |
| 2-1/2 | 63 | 216 | 98.0 | 2.875 | 73.0 | 0.072 | 1.83 | 610 | 186.1 | 610 | 186.1 |
| 3-1/2 | 91 | 349 | 158.3 | 4.000 | 101.6 | 0.083 | 2.11 | 370 | 112.9 | 370 | 112.9 |

¹Outside diameter tolerances: +/- .005 in. (.13mm) for trade sizes 1/2 (16mm) through 2 (53mm);
+/- .010 in. (.25mm) for trade sizes 2-1/2 (63mm);
+/- .015 in. (.38mm) for trade size 3 (78mm);
+/- .020 in. (.51mm) for trade sizes 3-1/2 (91mm) and 4 (103mm).
NOTE: Length = 10 ft. (3.05m) with a tolerance of +/- .25 in. (6.35 mm)

*Blue trade size 1 master bundle size: 3000 ft / 915 m
** Other Color Trade Sizes 2 - 4 are available thru special order

NOTE: Special orders are non-cancelable, non-returnable and non-refundable.