

FEATURES & SPECIFICATIONS

Manufactured for Long Life

Columbia-MBF® EMT is precision manufactured from high grade mild strip steel for exceptional durability and long-lasting life. Columbia-MBF EMT is hot galvanized using a patented inline Flo-Coat™ process. This process combines zinc, a conversion coating, and a clear organic polymer topcoat 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 sizes 1/2 (16) - 4 (103).

Coatings

Columbia-MBF's 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

Columbia-MBF 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.columbia-mbf.ca to obtain the **GEMI** (Grounding and Electro-Magnetic Interference) software analysis program.

Codes & Standards Compliance

Columbia-MBF EMT is Certified to Canadian Standards Association C22.2 No.83.1. As a metal raceway, EMT functions as an equipment bonding conductor when installed in compliance with the Canadian Electrical Code (CEC), including Section 10 *Grounding and Bonding* and Section 12-1400 *Electrical Metallic Tubing*. Documentation is available in the GEMI (Grounding and Electro-Magnetic Interference) analysis software and related research studies found at the www.columbia-mbf.ca website.

Installation of EMT shall be in accordance with the Canadian Electrical Code and the CSA Certification information.

Specification Data

To specify Columbia-MBF EMT, include the following:
Electrical Metallic Tubing shall be equal to that manufactured by Columbia-MBF Inc. EMT shall be hot galvanized steel O.D. with an organic corrosion resistant I.D. coating, and shall be CSA Certified to Standard C22.2 No. 83.1 and manufactured in accordance with ANSI C80.3.

Electrical Metallic Tubing (EMT) and True Color™ EMT

Certified to Canadian Standards Association Safety Standard CSA C22.2 No.83.1
Manufactured in accordance with ANSI C80.3



| Trade Size | Metric Designator | Outside Diameter ¹ | | Nominal Wall Thickness ² | | Approximate Weight Per 100 Ft. (30.5M) | | Standard Bundle Quantity | | True Color** Bundle Qty. | |
|------------|-------------------|-------------------------------|--------|-------------------------------------|------|--|-------|--------------------------|-------|--------------------------|--------|
| | | in | mm | in | mm | lb | kg | ft | m | ft | m |
| 1/2 | 16 | 0.706 | 17.93 | 0.042 | 1.07 | 30 | 13.6 | 2500 | 762.0 | 3500 | 1066.8 |
| 3/4 | 21 | 0.922 | 23.42 | 0.049 | 1.24 | 46 | 20.9 | 2000 | 609.6 | 2500 | 762.0 |
| 1 | 27 | 1.163 | 29.54 | 0.057 | 1.45 | 67 | 30.4 | 1000 | 304.8 | 1500* | 457.2 |
| 1-1/4 | 35 | 1.510 | 38.35 | 0.065 | 1.65 | 101 | 45.8 | 500 | 152.4 | 2000 | 609.6 |
| 1-1/2 | 41 | 1.740 | 44.20 | 0.065 | 1.65 | 116 | 52.6 | 500 | 152.4 | 1500 | 457.2 |
| 2 | 53 | 2.197 | 55.80 | 0.065 | 1.65 | 148 | 67.1 | 510 | 155.4 | 1200 | 365.7 |
| 2-1/2 | 63 | 2.875 | 73.03 | 0.072 | 1.83 | 216 | 98.0 | 250 | 76.2 | 610 | 185.9 |
| 3 | 78 | 3.500 | 88.90 | 0.072 | 1.83 | 263 | 119.3 | 200 | 61.0 | 510 | 155.4 |
| 3-1/2 | 91 | 4.000 | 101.60 | 0.083 | 2.11 | 349 | 158.3 | 100 | 30.5 | 370 | 112.7 |
| 4 | 103 | 4.500 | 114.30 | 0.083 | 2.11 | 393 | 178.3 | 100 | 30.5 | 300 | 91.5 |

¹Outside diameter tolerances: +/- .005 in. (.13mm) for size 1/2 (16mm) through 2 (53mm);

+/- .010 in. (.25mm) for size 2-1/2 (63);

+/- .015 in. (.38mm) for size 3 (78);

+/- .020 in. (.50mm) for size 3-1/2 (91) and 4 (103).

NOTE: Length = 10 ft. (3.05m) with a tolerance of +/- .25 in. (6mm)

²For information only. Not a requirement of the CSA standard.

*True Color Blue size 1 (27) bundle quantity: 3000 ft / (914.4m)

** True Color Size 2 (53)- 4 (103) are available through special order

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