

Light wall metal conduits

UL 797 - Electrical Metallic Tubing (EMT)



EMT, or Electrical Metallic Tubing, is a steel raceway made of circular hollow sections with plain ends, produced from high- quality mild steel hot-rolled coils. Its exterior and interior are protected by a superior zinc coating applied through an in-line hot-dipped galvanizing process. To enhance its corrosion resistance and longevity, the exterior surface of EMT is further coated with either a clear anti-corrosion coating or a zinc chromate coating, providing a smooth finish. Moreover, the internal surface is coated with organic zinc lubricants or a higher-grade organic epoxy resin using a state-of-the-art patented on-line automatic machine. This internal coating not only facilitates easy wire pushing and pulling but also protects against corrosion, ensuring EMT's durability and reliability in electrical installations.

The EMT is supplied with plain ends and bundled according to standards or specific customer requirements. It can be installed inside or outside in various conditions and is available in sizes ranging from 1/2" to 4" and standard lengths of 10 feet. Each length of EMT is labeled with UL listing information, sizes, and a barcode for easy identification. Our EMT are in compliance with UL 797 certification (File No.E535152) and is manufactured in accordance with the American National Standard for Electrical Rigid Conduit (ANSI C80.3).

Trade Size	Outside Diameter (in.)	Outside Diameter (mm.)	Nominal Wall Thickness (in.)	Nominal Wall Thickness (mm.)	Approx Weight (Pcs.)	Master Budle Qty (Pcs.)
1/2"	0.706	17.93	0.042	1.07	2.99744	700
3/4"	0.922	23.42	0.049	1.24	4.60636	500
1"	1.163	29.54	0.057	1.45	6.70016	300
1 1/4"	1.51	38.35	0.065	1.65	10.09432	200
1 1/2"	1.74	44.2	0.065	1.65	11.59304	150
2"	2.197	55.8	0.065	1.65	14.78884	120
2 1/2"	2.875	73.03	0.072	1.83	21.5992	61
3"	3.5	88.9	0.072	1.83	26.29372	51
3 1/2"	4	101.6	0.083	2.11	34.88932	37
4"	4.5	114.3	0.083	2.11	39.29732	30

Applicable Tolerances

Length: 10 Feet (3.05 Meters) +/- 0.25 inch (6.35 mm)

Outside Diameter:

- TRADE SIZE 1/2" TO 2" (16 to 53) : ± 0.005" (±0.13 mm)
- TRADE SIZE 2 1/2" (63) : ± 0.010" (0.25 mm)
- TRADE SIZE 3" (78) : ± 0.050" (0.38 mm)
- TRADE SIZE 3 1/2" TO 4" (91 to 103) : ± 0.020" (±0.51 mm)

Features of EMT-

1. Higher Corrosion resistance with superior and uniform galvanizing quality.
2. Accurate dimensions and uniform wall thickness.
3. High quality internal coating with high grade organic epoxy resins/zinc
4. Clean, smooth and defect-free interior surface.
5. Easy and fast installation.
6. Easy wire pushing and pulling.
7. Easy & good fabrication properties like smooth cutting, bending & welding.
8. Uniform and consistent quality.
9. Meets the Underwriters Laboratories specifications UL797.
10. Tested and certified for Safety.

