

Electrical Metallic Tubing (EMT)

Submittal Sheet - Representative Materials Company



Overview

RMC's Electrical Metallic Conduit (EMT) (UL797) has excellent protection, strength, and ductility for raceway systems. Our EMT is manufactured with high strength steel, and produced by the electrical resistance welding process which ensures continuous weld seams that are free from interior defects. We rigorously test our EMT to provide field bending without flaking, kinking or cracking.

Consistent Quality

- Made from high grade mild strip steel for durability and sustainability.
- Uniform galvanized protection.
- Manufactured for long life - durable and strong.
- No flaking or chipping when subjected to extreme stress.
- Easy to produce wrinkle-free bends, reduced kinking, and minimized splitting from multiple bends.

Lower Life-Cycle Costs

- Hot dipped galvanized coating provides enhanced corrosion protection.
- Resists cracking, flaking, peeling, impact, and damage from severe bending.
- Physical and mechanical properties ensure that the pipe has an extended life cycle.
- 100% Recyclable.

Application

EMT is recognized in the NEC Section 358.60 as an acceptable equipment grounding conductor and offers shielding against electromagnetic fields generated during normal operation of electrical installations. EMT may also be used in hazardous locations in accordance with NEC Article 502, 503, and 504 provided it will not be subject to severe physical damage during and after installation.

Interior Coatings

- Interior Zinc Coating provides a smooth surface for faster wire pulling.
- Protective coating is placed over galvanizing to provide longer life cycle.
- More wire capacity and less friction between wall to wire to minimize wire chafing.

Listings

- Underwriters Laboratories Standard for EMT-Steel (UL797) file # E531582
- American National Standards Institute (ANSI® C80.3)
- National Electric Code® Article 358

Dimension and Weight Chart (EMT + Color EMT) and Packing Schedule (EMT & Color EMT)

TRADE SIZE		NOMINAL WT. PER 100FT (30.5M)		NOMINAL OUTSIDE DIAMETER		NOMINAL WALL THICKNESS		COLOR TAPE	QUANTITY IN BUNDLE		QUANTITY PER LIFT				WEIGHT/LIFT	
U.S.	Metric	Lbs.	Kg.	in.	mm.	in.	mm.		Feet	Meters	PCS	BD's	Feet	Meters	Lbs.	Kg.
1/2	16	30	13.5	0.706	17.93	0.042	1.07	Black	100	30.5	-	70	7000	2134	2083	945
3/4	21	46	20.7	0.922	23.42	0.049	1.24	Red	100	30.5	-	50	5000	1524	2282	1,035
1	27	67	30.6	1.163	29.54	0.057	1.45	Blue	100	30.5	-	30	3000	914	2024	918
1-1/4	35	101	45.6	1.510	38.35	0.065	1.65	Red	50	15.2	-	40	2000	610	2011	912
1-1/2	41	116	52.8	1.740	44.20	0.065	1.65	Black	50	15.2	-	30	1500	457	1746	792
2	53	148	67.2	2.197	55.80	0.065	1.65	Blue	30	9.14	-	40	1200	366	1777	806
2-1/2	63	216	97.9	2.875	73.03	0.072	1.83	Black	-	-	61	-	610	186	1316	597
3	78	265	120.0	3.500	88.90	0.072	1.83	Blue	-	-	51	-	510	155	1349	612
3-1/2	91	348	158.0	4.000	101.60	0.083	2.11	Black	-	-	37	-	370	113	1290	585
4	103	392	178.0	4.500	114.30	0.083	2.11	Blue	-	-	30	-	300	91	1179	534

Notes: 1. Applicable tolerances - Length: 10ft. ± 1/4". Outside Diameter: 1/2"-2" ± 0.005"; 2 1/2"±0.010"; 3"±0.015"; 3 1/2"- 4"±0.020".

Submittal Information

Company Name	Phone	Date
Address	Project Name	Project Date
City	Project City	Comments
State & Zip	Project State	