Republic Conduit

Spec Submittal Sheet

Electrunite® Color Electrical Metallic Tubing (Color EMT)

Republic Conduit's EMT is the most bendable electrical conduit currently available in the marketplace. It is manufactured from high-quality, flat-rolled steel, uniquely formulated for its high malleability and is produced using Republic Conduit's exclusive electrogalvanizing process.

Using Republic Conduit Color EMT is the safest and most effective way to quickly identify and trace fire alarm, health care dedicated circuits, data transmission, communications wiring, computer power circuits, and any other designated system. The product has a strong electro-galvanized corrosion-resistant base coating and comes in multiple sizes and colors.

All Republic Conduit Color EMT is made from steel which is melted and rolled in the United States.

Specifications

Architects desiring to specify Republic Conduit Color EMT should include the following description:

Electrical conductors shall be enclosed in Electrunite EMT in accordance with the National Electrical Code (NEC). Electrical metallic tubing shall be mild steel, electrically welded, galvanized and produced to the following specifications:

- UL Standard for Electrical Metallic Tubing – Steel, UL797, File # E7465
- ANSI NEMA Standard for Electrical Metallic Tubing C80.3
- National Electric Code, Article 358

EMT Color												
Trade Size Designator		Outside Diameter (OD)		Nominal Inside Diameter		Feet/ Bundles	Bundles/ Lift	Standard Lift				TAPE COLOR
US	Metric	IN	mm	IN	mm			Feet	m	Lbs	kg	
½"	16	0.706	17.93	0.622	15.80	100	35	3,500	1,068	1,050	476.2	BLACK
¾"	21	0.922	23.42	0.824	21.00	100	25	2,500	763	1,150	521.6	RED
1"	27	1.163	29.54	1.049	26.60	100	15	1,500	458	1,005	455.8	BLUE
1 ¼"	35	1.510	38.35	1.380	35.05	50	40	2,000	610	2,020	916.1	RED
1 ½"	41	1.740	44.20	1.610	40.89	50	30	1,500	457.5	1,740	789.1	BLACK
2"	53	2.197	55.80	2.067	52.50			1,200	366	1,775	805.4	
2 ½"	63	2.875	73.03	2.731	69.36			610	186.1	1,318	597.7	
3"	78	3.500	88.90	3.356	85.24			510	155.6	1,341	608.2	
3 ½"	91	4.000	101.6	3.834	97.38			370	112.9	1,291	585.5	
4"	103	4.500	114.3	4.334	110.08			300	91.5	1,179	534.7	

Outside Diameter Tolerances

	in	mm
For trade size through 2"	±0.005	±0.13
For trade size 2 1/2"	±0.010	±0.25
For trade size 3"	±0.015	±0.38
For trade sizes 3 1/2" & 4"	±0.020	±0.51

- The values in feet / pound units are standard. The metric equivalents may be approximate. Conduit is always identified by its English or Metric Trade Size Designator.
- 1/2", 3/4", and 1" sizes of Republic's EMT are furnished bearing the Inch-Marked® and Guide-Lined® trademarks and with diamond-knurled inside finish for easier wire pull/push.
- All sizes furnished in 10' lengths.
- Applicable length tolerance = ±1/4" (±6.35mm).

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