

# 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    |            |
| 1/2"                  | 16     | 0.706                 | 17.93 | 0.622                   | 15.80  | 100          | 35           | 3,500         | 1,068 | 1,050 | 476.2 | BLACK      |
| 3/4"                  | 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 1/4"                | 35     | 1.510                 | 38.35 | 1.380                   | 35.05  | 50           | 40           | 2,000         | 610   | 2,020 | 916.1 | RED        |
| 1 1/2"                | 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 1/2"                | 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 1/2"                | 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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