



Article 358 Electrical Metallic Tubing (EMT)

Part I. General

358.1 Scope

This article covers the use, installation, and construction specifications of electrical metallic tubing (EMT).

358.2 Definition

EMT is a listed metallic tubing of circular cross section approved for the installation of electrical conductors when joined together with listed fittings. Compared to RMC and IMC, EMT is relatively easy to bend, cut, and ream, and because it is not threaded, all connectors and couplings are of the threadless type.

358.6 Listing Requirement

EMT, factory elbows, and associated fittings shall be listed.

Part II. Installation

358.10 Use

- (A) **Exposed and Concealed.** EMT can be installed exposed or concealed.
- (B) **Corrosion Protection.** EMT, elbows, couplings, and fittings can be installed in concrete, in direct contact with the earth, or in areas subject to severe corrosive influences where protected by corrosion protection and judged suitable for the condition. See 300.6.

CAUTION: Supplementary coatings for corrosion protection have not been investigated by a product testing and listing agency, and these coatings are known to cause cancer in laboratory animals.

- (C) **Wet Locations.** All support fittings, such as screws, straps, etc. installed in a wet location shall be made of corrosion-resistant material, or they shall be protected by a corrosion-resistant coating. See 300.6.

358.12 Uses Not Permitted

- (1) Where, during installation or afterward, it will be subject to severe physical damage.
- (2) Where protected from corrosion solely by enamel.
- (3) In cinder concrete or cinder fill where subject to permanent moisture, unless protected on all sides by a layer of noncinder concrete at least 2 in. thick, or unless the tubing is at least 18 in. under the fill.
- (4) In any hazardous location, except as permitted by 502.4, 503.3, and 504.20.
- (5) For the support of luminaires or other equipment, except conduit bodies no larger than the largest trade size of the tubing can be supported to the raceway. Figure 358-1
- (6) Where practicable, dissimilar metals in contact anywhere in the system shall be avoided to eliminate the possibility of galvanic action.

Exception: Aluminum fittings on steel EMT and steel fittings on aluminum EMT are permitted.

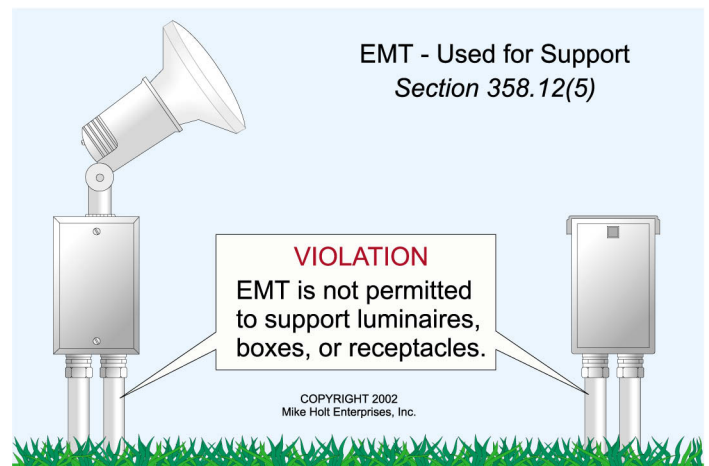


Figure 358-1