

Engineering Bulletin

January 9, 2012

Subject: "Plenum Rated Conduits"

We are often asked for flexible conduits that are "plenum rated". This term can be used for cables and other products that have been tested and marked for use in plenum areas but cannot be used for flexible conduits since UL does not test or allow such markings on conduits.

Products from Electri-Flex that are allowed by code in various plenum environments are:

NEC 2011 Article 300.22 Wiring in Ducts, Plenums and Other Air Handling Spaces.

(A) Ducts for Dust, Loose Stock, or Vapor Removal.

No wiring system of any type shall be installed...

(B) Ducts or Plenums Specifically Fabricated for Environmental Air.

Flexible Metallic Tubing (FMT) Max. 6 Ft. *Electri-Flex Type PF Plen-Flex*® (Article 360)

Flexible Metal Conduit (FMC) Max. 4 ft. *Electri-Flex Types BR and ABR* (Article 348)

(C) Other Spaces Used for Environmental Air (Plenums).

Flexible Metallic Tubing (FMT) Max. 6 Ft. *Electri-Flex Type PF Plen-Flex*® (Article 360)

Flexible Metal Conduit (FMC) *Electri-Flex Types BR and ABR* (Article 348)

(D) Information Technology Equipment. Electrical wiring in air-handling areas beneath raised floors is permitted in accordance with Article 645.5(E)(2)

Flexible Metal Conduit (FMC) *Electri-Flex Types BR and ABR* (Article 348)

Liquidight Flexible Metal Conduit *Electri-Flex Types LA, ZHLA (Zero Halogen) and CBLA (Computer Blue)* (Article 350)

Liquidight Flexible Nonmetallic Conduit *Electri-Flex Type NM* (Article 356)

Please refer directly to the NEC for more details.

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