

Δ **362.56 Splices and Taps.** Splices and taps shall be made only in accordance with 300.15.

Δ **362.60 Grounding.** Where equipment grounding is required, a separate grounding conductor shall be installed in the raceway in compliance with Article 250, Part VI.

*Exception No. 1: The equipment grounding conductor shall be permitted to be run separately from the raceway where used for grounding dc circuits as permitted in 250.134, Exception No. 2.*

*Exception No. 2: The equipment grounding conductor shall not be required where the grounded conductor is used as part of the effective ground-fault path as permitted in 250.142.*

### Part III. Construction Specifications

**362.100 Construction.** ENT shall be made of material that does not exceed the ignitability, flammability, smoke generation, and toxicity characteristics of rigid (nonplasticized) polyvinyl chloride.

ENT, as a prewired manufactured assembly, shall be provided in continuous lengths capable of being shipped in a coil, reel, or carton without damage.

**362.120 Marking.** ENT shall be clearly and durably marked at least every 3 m (10 ft) as required in the first sentence of 110.21(A). The type of material shall also be included in the marking. Marking for limited smoke shall be permitted on the tubing that has limited smoke-producing characteristics.

The type, size, and quantity of conductors used in prewired manufactured assemblies shall be identified by means of a printed tag or label attached to each end of the manufactured assembly and either the carton, coil, or reel. The enclosed conductors shall be marked in accordance with 310.8.

A wireway is a raceway in accordance with the definition of raceway in Article 100. Auxiliary gutters supplement enclosure wiring spaces and are not encompassed by the definition of raceway. Therefore, NEC® requirements that apply only to raceways do not apply to auxiliary gutters. An example of such a requirement is 230.7, which prohibits service conductors from being installed in a raceway with conductors that are not service conductors. This rule applies to wireways installed in accordance with Articles 376 and 378. However, an auxiliary gutter installed to supplement the wiring space of a service equipment enclosure is not a wireway; therefore, service conductors, feeder conductors, and branch-circuit conductors can occupy the same wiring space of an auxiliary gutter. Unlike wireways, which are covered in Articles 376 and 378, auxiliary gutters are permitted to contain bare and insulated copper and aluminum busbars. See 366.23(A) for the ampere rating of bare copper and aluminum busbars installed in auxiliary gutters.

### 366.6 Listing Requirements.

(A) **Outdoors.** Nonmetallic auxiliary gutters installed outdoors shall be listed for all of the following conditions:

- (1) Exposure to sunlight
- (2) Use in wet locations
- (3) Maximum ambient temperature of the installation

(B) **Indoors.** Nonmetallic auxiliary gutters installed indoors shall be listed for the maximum ambient temperature of the installation.

The sections and associated fittings of auxiliary gutters are identical to those of wireways. They differ only in their intended use. If listed, they may be marked as "Wireway," "Auxiliary Gutter," or "Wireway or Auxiliary Gutter," depending on the intended application.

### Part II. Installation

#### 366.10 Uses Permitted.

##### (A) Sheet Metal Auxiliary Gutters.

(1) **Indoor and Outdoor Use.** Sheet metal auxiliary gutters shall be permitted for indoor and outdoor use.

(2) **Wet Locations.** Sheet metal auxiliary gutters installed in wet locations shall be suitable for such locations.

(B) **Nonmetallic Auxiliary Gutters.** Nonmetallic auxiliary gutters shall be listed for the maximum ambient temperature of the installation and marked for the installed conductor insulation temperature rating.

Informational Note: Extreme cold may cause nonmetallic auxiliary gutters to become brittle and therefore more susceptible to damage from physical contact.

(1) **Outdoors.** Nonmetallic auxiliary gutters shall be permitted to be installed outdoors where listed and marked as suitable for the purpose.

#### ARTICLE

### 366

## Auxiliary Gutters

### Part I. General

**366.1 Scope.** This article covers the use, installation, and construction requirements of metal auxiliary gutters and nonmetallic auxiliary gutters and associated fittings.

An auxiliary gutter provides additional gutter space for wiring in various types of electrical enclosures and equipment. This additional gutter space may be necessary to provide sufficient room for the number of conductors in an enclosure or to provide adequate wiring bending/deflection space where conductors connect to a terminal. Although the construction of an auxiliary gutter is no different from that of a wireway, the field application of this equipment differentiates an auxiliary gutter from a wireway.