

## Chapter E 342

## NON-METALLIC EXTENSIONS

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**E 342.01 Description.** Non-metallic extensions are an assembly of two insulated conductors within a non-metallic jacket or an extruded thermoplastic covering. The classification covers surface extensions for mounting directly on the surface of walls or ceilings.

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.

**E 342.02 Other chapters.** In addition to the provisions of this chapter, non-metallic extensions shall conform to other applicable provisions of this code.

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.

**E 342.03 Use permitted.** Non-metallic extensions may be used only where all of the following conditions are met:

(1) The extension is installed as a separate 15 or 20 ampere branch circuit or is from an existing outlet on such a branch circuit in conformity with the requirements of chapter E 210.

(2) The extension is run exposed and in a dry location.

(3) For non-metallic surface extensions, the building or space is occupied for residential or office purposes.

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.

**E 342.04 Use prohibited.** Non-metallic extensions shall not be installed:

(1) In unfinished basements, attics, or roof spaces.

(2) Where voltage between conductors exceeds 150 volts.

(3) Where subject to corrosive vapors.

(4) Where run through a floor or partition, or outside the room in which it originates.

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.

**E 342.05 Splices and taps.** Extensions shall consist of a continuous unbroken length of the assembly, without splices, and without exposed conductors between fittings. Taps may be made where approved fittings completely covering the tap connections are used. Receptacle type tap connectors shall be of the locking type.

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.

**E 342.06 Fittings.** Each run shall terminate in a fitting which covers the end of the assembly. All fittings and devices shall be of a type approved for the purpose.

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.

**E 342.07 Installation.** Non-metallic extensions shall be installed in conformity with the following requirements:

(1) One or more extensions may be run in any direction from an existing outlet, but not on the floor or within 2 inches from the floor.

(2) Non-metallic surface extensions shall be secured in place by approved means at intervals not exceeding 8 inches, except that where connection to the supplying outlet is made by means of an attachment plug the first fastening may be placed 12 inches or less from the plug. There shall be at least one fastening between each 2 adjacent outlets supplied. An extension shall be attached only to woodwork or plaster finish, and shall not be in contact with any metal work or other conductive material except with metal plates on receptacles.

(3) A bend which reduces the normal spacing between the conductors shall be covered with a cap to protect the assembly from physical damage.

**History:** Cr. Register, April, 1964, No. 100, eff. 5-1-64.