

## Chapter E 328

## BARE-CONDUCTOR FEEDERS

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**E 328.01 Use.** By special permission, bare conductors installed in accordance with the provisions of sections E 300.01 to E 300.22 inclusive, and in accordance with the provisions of sections E 328.02 to E 328.07 inclusive, may be used for feeders only. Such bare conductors may be installed only in a chase, channel or shaft of noncombustible material in a building of fire-resistive construction; and only where the voltage between conductors does not exceed 600 volts. Bare conductors shall not be used in damp or wet locations, nor in any hazardous location, nor where subject to corrosive vapor, except in storage-battery rooms as provided in section E 480.07.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.

**E 328.02 Size and capacity of copper conductors.** The maximum permissible current shall be 1000 amperes per square inch of cross-sectional area of conductor in unventilated enclosures, and 1200 amperes per square inch in ventilated enclosures. These provisions are not intended to apply to equipment such as controls and switchgear.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.

**E 328.03 Branch taps.** Branch taps from bare-conductor feeders may be installed as specified in section E 240.15; provided that the mechanical protection specified by exceptions No. 5 and 6 of section E 240.15 shall not be required for that portion of the conductor located in the chase, channel or shaft.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.

**E 328.04 Accessibility.** The conductors shall not be accessible to other than qualified persons.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.

**E 328.05 Supports.** Conductors shall be supported as follows: (1) Conductors shall be supported on noncombustible, non-absorptive insulating supports of adequate mechanical strength.

(2) Conductors shall be so supported that a separation between conductors, and between conductors and ground, of not less than that specified in section E 384.26 will be maintained under all conditions of operation.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.

**E 328.06 Fire cutoffs.** Where floors are pierced, suitable cutoffs against vertical travel of fire shall be provided. See also section E 300.21.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.

**E 328.07 Special safeguards.** In addition to the provisions of the preceding rules, the administrative authority may require other safeguards in view of special conditions that may be met in a particular installation.

**History:** Cr. Register, November, 1961, No. 71, eff. 12-1-61.