

Phoenix Building Construction Code

Updated Amendments To the

2005 National Electrical Code

ARTICLE 312

CABINETS, CUTOUT BOXES, AND METER SOCKET ENCLOSURES

312.5 Cabinets, Cutout Boxes, and Meter Socket Enclosures. Conductors entering enclosures within the scope of this article shall be protected from abrasion and shall comply with 312.5(A) through (C).

Exception: For one- and two-family dwellings, cables with entirely non metallic sheaths shall be permitted to enter the back of a surface-mounted enclosure through one or more nonflexible raceways not more than 75 mm (3 in.) in diameter, and not less than 75 mm (3 in.) and not more than 600 mm (24 in.) in length, provided all of the following conditions are met:

- (a) Each cable is fastened within 200 mm (8 in.), measured along the sheath of the outer end of the raceway.
- (b) The raceway extends directly into an enclosed wall space.
- (c) A fitting is provided on each end of the raceway to protect the cable(s) from abrasion.
- (d) The raceway is sealed or plugged using approved means so as to prevent access to the enclosure through the raceway.
- (e) The cable sheath is continuous through the raceway and extends into the enclosure beyond the fitting not less than 50 mm (2 in.).
- (f) The raceway, if greater than 12 inches (305 mm), is fastened at its outer end in accordance with the applicable article.
- (g) The raceway shall be permitted to be filled to 60 percent of its total cross-sectional area, and 310.15(B)(2)(a) adjustment factors need not apply to this condition.

Reason: Requested by the home builders to reflect current practice of allowing rear entry for SES panels.

Amended and approved by the Development Advisory Board Technical Subcommittee on October 14, 2005.

Approved by the Development Advisory Board on November 17, 2005.