

# NONMETALLIC-SHEATHED CABLE PROTECTION

## 2016 CALIFORNIA ELECTRICAL CODE SECTION 300.4 (B)

*The following is a listing of the general requirements for burial depths for electrical cables and conduits based on the 2016 California Electrical Code. This handout is intended to provide general information, contact the Building & Safety Division for any questions or additional information.*

**CA Electrical Code, Section 300.4 Protection Against Physical Damage.** Where subject to physical damage, conductors, raceways, and cables shall be protected.

### **(B) – Nonmetallic-Sheathed-Cables and Electrical Nonmetallic Tubing through Metal Framing Members.**

**(1) Nonmetallic-Sheathed Cable.** In both exposed and concealed locations where nonmetallic-sheathed cables pass through either factory- or field punched, cut, or drilled slots or holes in metal members, the cable shall be protected by listed bushings or listed grommets covering all metal edges that are securely fastened in the opening prior to installation of the cable.

**(2) Nonmetallic-Sheathed Cable and Electrical Nonmetallic Tubing.** Where nails or screws are likely to penetrate nonmetallic-sheathed cable or electrical nonmetallic tubing, a steel sleeve plate, or steel clip not less than 1.6 mm (1/16 in.) in thickness shall be used to protect the cable or tubing.

*Exception: A listed and marked steel plate less than 1.6 mm (1/16 in.) thick that provides equal or better protection against nail or screw penetration shall be permitted.*

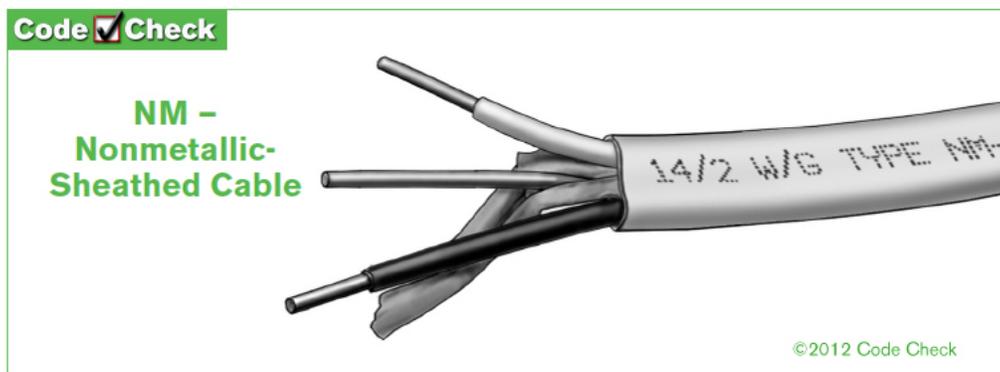


Figure 1. Shows an example of nonmetallic-sheathed cable.