

Introduction to Article 100—Definitions

Part I of Article 100 contains the definitions of terms used throughout the *Code* for systems that operate at 600V or less. The definitions in Part II apply to systems that operate at over 600V.

Author’s Comment: The requirements covered in this textbook apply to systems that operate at 600V or less.

Have you ever had a conversation with someone, only to discover what you said and what he/she heard were completely different? This happens when one or more of the people in a conversation don’t understand the definitions of the words being used, and that’s why the definitions of key terms are located right at the beginning of the *NEC*, in Article 100.

If we can all agree on important definitions, then we speak the same language and avoid misunderstandings. Because the *Code* exists to protect people and property, we can agree it’s very important to know the definitions presented in Article 100.

Bonded (Bonding)

A task group revised the definition of “Bonded (Bonding)” to improve the usability of the *NEC*.

Connected to establish electrical continuity and conductivity.

Author’s Comment: The purpose of bonding is to connect two or more conductive objects together to ensure the electrical continuity of the fault current path, provide the capacity and ability to conduct safely any fault current likely to be imposed, and to minimize potential differences (voltage) between conductive components. **Figures 100–1** and **100–2**

ANALYSIS: This important revision provides a clear definition that is straightforward and will improve the *NEC*’s usability. A task group review of grounding and bonding terms for the 2008 *Code* produced several changes, including this one.

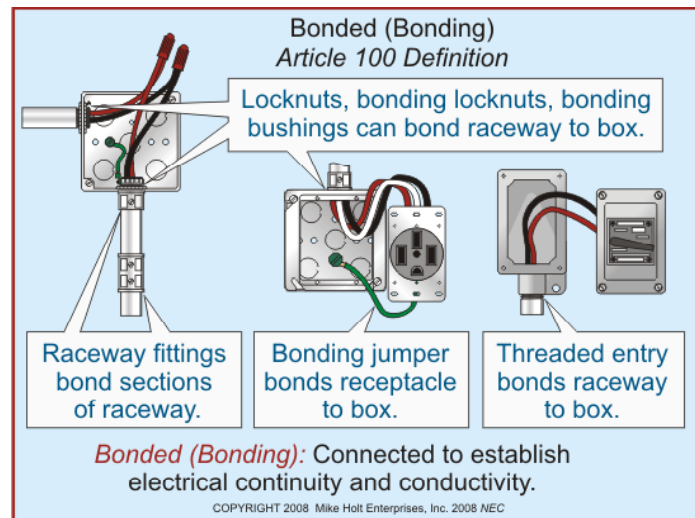


Figure 100–1