

Bonding Systems and Equipment

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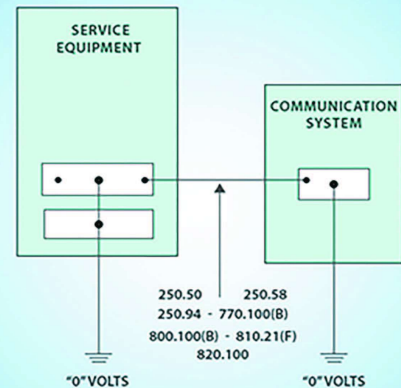
The proper bonding of systems and equipment is critical for the protection of people and equipment. This is especially important in patient-care areas of health care facilities, installations serving information technology equipment, installation of wiring associated with swimming pools, installations of wiring and special equipment in hazardous (classified) locations, installations of medium and high voltage systems where step, touch, and transferred potential differences are a constant threat, and agricultural buildings.

A complete analysis of the appropriate terms associated with proper bonding and grounding methods, as well as two examples of fault-current calculations will further enhance the understanding of these important topics. The book includes a 30-question quiz and an answer key.
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KEYWORDS:

Bond, bonding; bonding conductor; bonding jumper, equipment; bonding jumper, main; bonding jumper, supply-side; bonding jumper, system; Cadweld exothermic weld; available fault current; grounding electrode (system); grounding electrode conductor; fusing current; NFPA 780; main conductor; isolated grounding circuits; permanently installed generators; portable generator; static electricity; explosion-proof equipment; flammable limits; voltage-drop; DC system grounding; DC system bonding; substation grounding and bonding; ground-resistance testing; information technology equipment; signal reference grid; equipotential bonding

