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BS 7671:2008 AmdNo. 1:2011; C1 Introduction; C2 Design procedure overview; C3 Load assessment; C3.1 Principles and definitions; C3.2 Maximum demand assessment; C3.3 Diversity; C4 Circuitry design C4.1 Introduction C4.2 Protection against overcurrent in general; C4.3 Overload protection; C4.4 Fault protection; C4.5 Voltage drop; C4.6 Disconnection and electric shock protection; C5 Sub-mains; C5.1 Diversity; C5.2 Distribution circuit (sub-main) selection; C5.3 Armouring as a CPC; C5.4 Automatic disconnection for sub-mains; C6 Discrimination co-ordination; C6.1 Principles and system co-ordination; C6.2 Fuse-to-fuse discrimination; C6.3 Circuit breaker to circuit breaker discrimination; C6.4 Circuit breaker to fuse discrimination; C7 Parallel cables; C7.1 General and BS 7671 requirements C7.2 Unequal current sharing C8 Harmonics; C8.1 Requirements; C8.2 Harmonic assessment; C9 Standard final circuit designs; C9.1 Introduction and scope; C9.2 Standard domestic circuits; C9.3 All purpose standard final circuits; C10 RCDs and circuitry; C10.1 Introduction - increased use of RCDs; C10.2 Consumer unit arrangements for RCDs; C11 Ring and radial final circuits; C11.1 Introduction; C11.2 Ring final circuits; C11.3 Radial final circuits; D: Selection and Erection - Equipment; D1 Introduction and fundamentals; D2 Compliance with Standards; D3 Identification of conductors - introduction D3.1 Principle of required identification (Regulation 514.3.1) D3.2 Identification by colour; D3.3 Identification by marking; D3.4 Alterations and additions - identification; D3.5 Interface marking; D3.6 DC identification; D4 Protection against voltage and electromagnetic disturbance; D4.1 General; D4.2 Electromagnetic compatibility and prevention of mutual detrimental; D5 Wiring systems; D5.1 The choice of wiring systems; D5.2 Circulating currents and eddy currents in single-core installations; D5.3 Electrical connections and joints; D5.4 Wiring systems - minimizing spread of fire D5.5 Proximity to other services

Sommario/riassunto

This authoritative, best-selling guide has been extensively updated with the new technical requirements of the IET Wiring Regulations (BS 7671: 2008) Amendment No. 1:2011, also known as the IET Wiring Regulations 17th Edition. With clear description, it provides a practical interpretation of the amended regulations - effective January 2012 - offers real solutions to the problems that can occur in practice. This revised edition features: new material on hot topics such as electromagnetic compatibility (EMC), harmonics, surge protective devices, and new special locations incl
