

1. Record Nr.	UNINA9910830750103321
Titolo	Guide to the IET wiring regulations [[electronic resource] /] / Electrical Contractors' Association
Pubbl/distr/stampa	Chichester [England], : Wiley, 2012
ISBN	1-119-94169-5 1-280-58917-5 9786613619006 1-119-94170-9 1-119-94074-5 1-119-94075-3
Edizione	[17th ed.]
Descrizione fisica	1 online resource (283 p.)
Disciplina	621.319/24 621.31924 621.31924021841
Soggetti	Electric wiring - Insurance requirements Electric wiring, Interior
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Guide to the IET Wiring Regulations; Contents; Foreword by Giuliano Digilio; Preface; Acknowledgements; A: BS 7671:2008 Amd No. 1:2011 Requirements for Electrical Installations - Introduction and Overview; A1 Introduction to BS 7671:2008; A2 Plan and layout of BS 7671:2008; A3 Overview of major changes; A4 Amendment No. 1:2011; B: Legal Relationship and General Requirements of BS 7671:2008 Amd No. 1: 2011; B1 Legal requirements and relationship; B1.1 Key legal UK legislation; B1.2 The Electricity at Work Regulations 1989 (EWR 1989) B1.3 The Electricity Safety, Quality and Continuity Regulations 2002(as amended)B1.4 The Electricity Act 1984 (as amended); B1.5 The Building Act 1984, The Building Regulations and Part P; B1.6 The Electromagnetic Compatibility Regulations 2006; B1.7 Tort and negligence; B2 The role of Standards; B3 Part 3 of BS 7671:2008 - assessment of general characteristics; C: Circuitry and Related Parts of 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
