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Autore	Stokes Geoffrey, CEng
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Nota di contenuto	A Practical Guide to the Wiring Regulations; Contents; About the authors; Preface to the Fourth Edition; Acknowledgements; Notation; 1 Plan and terminology of BS 7671:2008 and supporting publications; 1.1 Plan of BS 7671:2008; 1.2 Terminology of BS 7671:2008; 1.3 Supporting publications; 2 Electricity, the law, standards and codes of practice; 2.1 General; 2.2 Electricity: the hazards; 2.3 The law; 2.3.1 Electricity Safety, Quality and Continuity Regulations 2002; 2.3.2 The Electricity at Work Regulations 1989 (EWR); 2.4 Standards and codes of practice 2.4.1 The IEE Wiring Regulations: BS 76712.4.2 Electric signs and high-voltage luminous-discharge-tube installations: BS 559 and BS EN 50107; 2.4.3 Emergency lighting: BS 5266; 2.4.4 Electrical equipment for explosive gas atmospheres: BS EN 60079; 2.4.5 Electrical equipment for use in the presence of combustible dust: BS EN 50281 and BS EN 61241; 2.4.6 Electrical installations in opencast mines and quarries: BS 6907; 2.4.7 Fire detection and alarm systems for buildings: BS 5839; 2.4.8 Telecommunications systems: BS 6701; 2.4.9 Electric surface heating: BS 6351

2.4.10 Lightning protection: BS EN 623052.4.11 Lift installations: BS 5655 and BS EN 81-1; 2.4.12 Equipment; 3 Scope, object and fundamental principles; 3.1 General; 3.2 Scope; 3.2.1 General; 3.2.2 Exclusions from the scope; 3.2.3 Equipment; 3.2.4 Relationship with statutory authorities; 3.2.5 Installations in premises subjected to licensing; 3.3 Object and effects; 3.3.1 General; 3.3.2 New materials and inventions; 3.4 Fundamental principles; 3.4.1 General; 3.4.2 Electric shock: basic protection; 3.4.3 Electric shock: fault protection; 3.4.4 Protection against thermal effects
3.4.5 Protection against overcurrent3.4.6 Protection against fault current; 3.4.7 Protection against voltage disturbances and measures against electromagnetic influences; 3.4.8 Protection against supply interruption; 3.4.9 Additions and alterations to an installation; 3.4.10 Design; 3.4.11 Selection of electrical equipment; 3.4.12 Erection, initial verification of electrical installations, and periodic inspection and testing; 4 Assessment of general characteristics; 4.1 General; 4.2 Loading, maximum demand and diversity; 4.2.1 General; 4.2.2 Lighting: loading and diversity
4.2.3 Heating: loading and diversity4.2.4 Cookers: loading and diversity; 4.2.5 Water heaters: loading and diversity; 4.2.6 Motors: loading and diversity; 4.2.7 Stationary equipment: loading and diversity; 4.2.8 Conventional circuits: loading and diversity; 4.2.9 Socket-outlet circuits other than conventional circuits: loading and diversity; 4.3 Arrangement of live conductors and type of earthing; 4.3.1 Arrangement of live conductors; 4.3.2 Type of earthing; 4.4 Nature of supply; 4.4.1 General; 4.4.2 Voltage; 4.4.3 The nature of current and frequency; 4.4.4 Prospective short-circuit current
4.4.5 External earth fault loop impedance

Sommario/riassunto

This best-selling text has been revised to reflect the requirements of the 17th Edition of the IEEWiring Regulations (BS 7671: 2008). It includes essential information on the new rules applied to special installations or locations, such as bathrooms, swimming pool locations, camping/caravan sites, marinas, exhibition and show locations, solar photovoltaic power supply systems, and floor and ceiling heating systems, amongst others. It presents clear explanations on inspection, testing, certification and reporting, test instruments and test methods, as well as covering:.: electricity, the law, s