

Contents

Foreword *ii*

1	Scope	<i>1</i>
2	Normative references	<i>1</i>
3	Terms and definitions	<i>5</i>
4	General requirements	<i>7</i>
5	Earthing and bonding	<i>10</i>
6	Application of diversity factors	<i>13</i>
7	Distribution	<i>15</i>
8	Generating plant and motors	<i>18</i>
9	Construction of cables	<i>22</i>
10	Selection and installation of cables	<i>24</i>
11	Tables of cable current ratings	<i>27</i>
12	Motor control gear	<i>28</i>
13	Batteries	<i>30</i>
14	Heating and cooking appliances	<i>33</i>
15	Semiconductor converters for power purposes	<i>34</i>
16	Transformers	<i>35</i>
17	Accessories	<i>36</i>
18	Communication and navigation aids	<i>37</i>
19	Control and instrumentation	<i>38</i>
20	Lightning protection	<i>40</i>
21	Systems operating at above 1 kV a.c.	<i>40</i>
22	Dynamic positioning (DP)	<i>41</i>

Annexes

Annex A (informative) Guidance on the selection and use of socket-outlets and welding equipment *43*

Annex B (informative) Guidance on the treatment of the neutral point *46*

Annex C (informative) Guidance on electromagnetic compatibility *56*

Bibliography *58*

List of figures

Figure 1 – Assessment curves *14*

List of tables

Table 1 – Supply conditions for which supplementary bonding is not required *12*

Table 2 – Creepage and clearance distances *41*

Table B.1 – Summary of principal features of the neutral earthing methods *46*

Summary of pages

This document comprises a front cover, an inside front cover, pages i and iv, pages 1 to 61, an inside back cover and a back cover.