

**SPECIFICATION FOR FIRE RESISTANT CABLES
PART 1: PERFORMANCE REQUIREMENTS FOR CABLES REQUIRED TO
MAINTAIN CIRCUIT INTEGRITY UNDER FIRE CONDITIONS**

AMENDMENT NO. 1

October 2008

1. **Page 6, Clause 1**
Replace "BS 6207" by "IEC 60702-1".
2. **Page 6, Clause 3**
Replace "BS 4727 : Part 2 : Group 08" by "BS 4727-2 : Group 08".
3. **Page 7, 4.2**
Replace "BS 6207" by "IEC 60702-1".
4. **Page 8, Table 1**
 - a) Column 4, *replace* "BS 6207" by "IEC 60702-1".
 - b) Last column "Other cables with overall diameter ≥ 20 mm", *amend* "o¹" to "o²" for the test description of resistance to fire with water and resistance to fire with mechanical shock.
 - c) End of the table, add new footnote as follows:
²⁾ For testing of cables with overall diameter exceeding 20 mm, subject to agreement or arrangement with relevant parties, reference can be made to 17.4.3 of BS 7846.
5. **Page 9, 7.1**
Replace "SS 291" by "IEC 60228".
6. **Page 10, 9.2**
Replace "8.5 of BS 6469 : Section 1.4 : 1992" and "8.5.6 of BS 6469 : Section 1.4 : 1992" by "8.5 of IEC 60811-1-4" and "8.5.6 of IEC 60811-1-4" respectively.
7. **Page 10, Clause 10**
Replace "BS 4066 : Part 1" by "IEC 60332-1-1 and IEC 60332-1-2".
8. **Page 17, D.3.1.5**
³rd line, *amend* "0.25 L per metre per second" to "0.25 L per square metre per second".
9. **Page 31, Standards referred to**

Replace all the normative references as follows:

BS 4727-2 : Group 08 : 1994	Glossary of electrotechnical, power, telecommunication, electronics, lighting and colour terms. Terms particular to power engineering. Electric cables
BS 7846 : 2000	Electric cables. 600/1000 V Armoured fire-resistant cables having thermosetting insulation and low emission of smoke and corrosive gases when affected by fire

Singapore Standard SS 299 : Part 1 : 1998
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IEC 60228 : 2004	Conductors of insulated cables
IEC 60332-1-1 : 2004	Tests on electric and optical fibre cables under fire conditions - Part 1-1 : Test for vertical flame propagation for a single insulated wire or cable - Apparatus
IEC 60332-1-2 : 2004	Tests on electric and optical fibre cables under fire conditions - Part 1-2 : Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame
IEC 60702-1 : 2002	Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V – Part 1 : Cables
IEC 60811-1-4 : 1985	Common test methods for insulating and sheathing materials of electric cables – Part 1 : Methods for general application - Section Four: Test at low temperature