

Tests on electric cables under fire conditions —

**Part 1: Method of test on a single
vertical insulated wire or cable —**

**(Implementation of CENELEC
HD 405.1 S1)**

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- British Radio Equipment Manufacturers' Association
- British Steel Corporation
- Cbmpe
- Department of Energy (Electricity)*
- Electric Cable Makers' Confederation*
- Electrical Contractors' Association*
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- Electricity Supply Industry in England and Wales*
- Electronic Components Industry Federation
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- Aluminium Federation
- Association of Consulting Engineers
- Association of Manufacturers of Domestic Electrical Appliances
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- British Association of Synthetic Rubber Manufacturers
- British Plastics Federation
- British Railways Board
- British Rubber Manufacturers' Association
- British Shipbuilders
- British Steel Industry (Wire Section)
- Department of the Environment (PSA)
- Department of Trade
- Home Telephone Cable Makers' Association (1960)
- London Transport Executive

This British Standard, having been prepared under the direction of the General Electrotechnical Standards Committee, was published under the authority of the Executive Board and comes into effect on 28 November 1980

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National foreword

This revision of BS 4066 has been prepared under the direction of the General Electrotechnical Engineering Standards Committee. It is identical with Publication 332-1 “Tests on electric cables under fire conditions. Part 1: Test on a single vertical insulated wire or cable” published by the International Electrotechnical Commission (IEC). BS 4066-1 implements CENELEC Harmonization Document HD 405.1, including amendment A1. BS 4066:1969, published with the title “Flame-retardant characteristics of electric cables”, is now withdrawn.

This Part of BS 4066 specifies a method of test on a single vertical insulated wire or cable and the requirement for compliance.

Amendment No. 1 to this Part of BS 4066 specifies an ignition source complying with IEC Publication 695 Part 2-4 Sheet 1, which has been implemented as BS EN 60695-2-4/1 Sheet 1. Reference is also made to IEC 695-2-4/0, which has been implemented as BS EN 60695-2-4/0 Sheet 0. In view of this, Figure 2 in this Part of BS 4066 is no longer relevant and should be disregarded.

BS 4066-2:1989 specifies a method of testing small insulated wire under fire conditions when the method specified in BS 4066-1 is not suitable.

BS 4066-3:1994 gives details of a test for flame propagation where a number of cables are bunched together to form various test sample installations.

Where page numbers are quoted in connection with references to figures in this British Standard, they are IEC page numbers, shown in square brackets at the foot of the page.

Terminology and conventions. The text of the international standard has been approved as suitable for publication, without deviation, as a British Standard. Some terminology and certain conventions are not identical with those used in British Standards.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the HD title page, pages 2 to 4 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.