

Specification for

# Spark testing of electric cables

# Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Cables and Insulations Standards Policy Committee (CIL/-) to Technical Committee CIL/20, upon which the following bodies were represented:

- Aluminium Federation
- Association of Consulting Engineers
- Association of Manufacturers of Domestic Electrical Appliances
- British Approvals Service for Cables
- British Cable Makers' Confederation
- British Plastics Federation
- British Steel Industry
- British Telecommunications plc
- Department of the Environment (Property Services Agency)
- Department of Trade and Industry (Consumer Safety Unit, CA Division)
- Electricity Association
- Engineering Equipment and Materials Users' Association
- Institution of Electrical Engineers
- London Regional Transport

The following bodies were also represented in the drafting of the standard, through subcommittees and panels:

- British Railways Board
- British Rubber Manufacturers' Association Ltd.
- British Steel plc
- ERA Technology Ltd.
- GAMBICA (BEAMA Ltd.)
- Institution of Incorporated Executive Engineers
- London Underground Ltd.
- Queen Mary and Westfield College
- Telecommunications Cables Group of BCMC
- Warrington Fire Research Centre

This British Standard, having been prepared under the direction of the Cables and Insulation Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 August 1992

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The following BSI references relate to the work on this standard:  
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## Foreword

This British Standard has been prepared under the direction of the Cables and Insulation Standards Policy Committee and supersedes BS 5099:1974 which is withdrawn.

This edition of BS 5099 introduces a clause on calibration frequency, together with an associated annex on the procedure for checking the efficacy of the method of spark testing.

This British Standard specifies spark testing of a wide range of cables, and, in as far as it is applicable, is equivalent to the spark testing specified in HD 21.2 and HD 22.2 for low voltage cables.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

**Compliance with a British Standard does not of itself confer immunity from legal obligations.**

### Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover 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.