

Specification for

Igniter cables for engine use (4 kV d.c.)

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Aerospace Standards Committee (ACE/-) to Technical Committee ACE/6, upon which the following bodies were represented:

- BEAMA Ltd.
- British Cable Makers Confederation
- British Rubber Manufacturers Association
- Civil Aviation Authority
- Electronic Components Industry Federation
- Ministry of Defence
- National Supervising Inspectorate
- Society of British Aerospace Companies Limited

This British Standard having been prepared under the direction of the Aerospace Standards Policy Committee (ACE/-) was published under the authority of the Board of BSI and comes into effect on 31 August 1990

© BSI 01-2000

The following BSI references relate to the work on this standard:
Committee reference ACE/6
Draft for comment 88/71918 DC

ISBN 0 580 18036 0

Amendments issued since publication

Amd. No.	Date of issue	Comments

Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
1 Scope	1
2 Construction	1
3 Designation and marking	1
4 Packaging and labelling	1
5 Performance	1
6 Testing	1
Appendix A Hot dielectric test	6
Appendix B Thermal shock test	6
Figure 1 — Cable	1
Table 1 — Cable properties	2
Table 2 — Cable test requirements	2
Table 3 — Test application	4
Publications referred to	Inside back cover

Foreword

This British Standard, which has been prepared under the direction of the Aerospace Standards Policy Committee, specifies requirements for a range of aircraft engine ignition cables that are suitable for use on high energy ignition circuits working at voltages of not more than 4 kV d.c. It is intended to be read in conjunction with BS G 230 "*General requirements for aircraft electrical cables (second series)*" which specifies the general requirements and test methods for this range of cables.

The standard requires the selection of the dielectric material so as to provide the minimum penalties of weight and space whilst offering reliable performance, and the dielectric insulation material should be suitable for printed identity marking methods.

Cables manufactured to this standard are not required to meet BS 3G 100, subsection 3-13, Resistance to fire in designated fire zones.

Care should be taken to select terminations which have been declared as suitable for use with the cable specified in this British Standard.

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.