

Sleeves and moulded components for aircraft electric cables and equipment wires —

**Part 3: Specification for heat-shrinkable
sleeving for binding, insulation, and
identification**

ICS 49.060

Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee ACE/6, Aerospace avionic, electrical and fibre optic technology, upon which the following bodies were represented:

British Airways
British Cable Makers' Confederation
British Rubber Manufacturers' Association
Civil Aviation Authority (Airworthiness Division)
Federation of the Electronics Industry
Ministry of Defence
Society of British Aerospace Companies

This British Standard, having been prepared under the direction of the Engineering Sector Committee, was published under the authority of the Standards Committee and comes into effect on 15 December 1999

© BSI 12-1999

The following BSI references relate to the work on this standard:
Committee reference ACE/6
Draft for comment 98/707231 DC

ISBN 0 580 33097 4

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
1 Scope	1
2 Normative references	1
3 Information to be supplied by the purchaser	5
4 Materials and characteristics	5
5 Colour	5
6 Finish	5
7 Dimensions	5
8 Shelf life	11
9 Type testing	11
10 Production routine and quality testing	12
11 Tests and requirements for finished sleeving	14
12 Tests and requirements for identification sleeves	35
13 Marking and packaging	36
Annex A (informative) Storage recommendations	37
Annex B (normative) Method for the determination of smoke index	37
Annex C (normative) Method for the determination of combustion products index	42
Bibliography	45
Figure 1 — Test configuration for flammability test	32
Figure 2 — Mandrel for restricted shrinkage test	34
Figure 3 — Disposition of characters on identification sleeving	35
Figure B.1 — Schematic details of burner for smoke index test	38
Figure B.2 — Schematic front view of smoke test piece holder, showing vertically mounted sleeving samples	39
Table 1 — Types of heat-shrinkable sleeving	2
Table 2 — Materials and characteristics	2
Table 3 — Standard colours and availability	4
Table 4 — Dimensions of types 10A and 10B sleeving	6
Table 5 — Dimensions of type 11A sleeving	6
Table 6 — Dimensions of type 11B sleeving	7
Table 7 — Dimensions of type 11C sleeving	8
Table 8 — Dimensions of type 12A sleeving	8
Table 9 — Dimensions of type 12B sleeving	9
Table 10 — Dimensions of type 13 sleeving	9
Table 11 — Dimensions of type 15 sleeving	10
Table 12 — Standard cutting tolerances for cut lengths of sleeving	11
Table 13 — Type tests	12
Table 14 — Production routine tests	12
Table 15 — Production quality tests	13
Table 16 — List of test fluids	33
Table 17 — Mandrel for restricted shrinkage test	34
Table 18 — Size and repetition of characters	36
Table 19 — Allocation of numerals to sleeve colours	36