BS 4G 178-2: 1986

Crimped joints for aircraft electrical cables and wires —

Part 2: Specification for control of crimping (including user control tests)

BS

UDC 629.7.064.5:621.315.687

NO COPYING WITHOUT BSI PERMISSION EXCEPT AS PERMITTED BY COPYRIGHT LAW

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

This British Standard, having been prepared under the direction of the Aerospace Standards Committee, was published under the authority of the Board of BSI and comes into effect on 28 November 1986

© BSI 07-1999

First published March 1972 First part revision as BS G 178-1 August 1984 First part revision as BS G 178-2 November 1986

The following BSI references relate to the work on this standard: Committee reference ACE/6 Draft for comment 81/71694 DC

ISBN 0 580 14957 9

Amendments issued since publication

Amd. No.	Date of issue	Comments

Contents

		Page
Committees responsible		Inside front cover
For	reword	ii
1	Scope	1
2	Performance of crimped joints	1
3	Routine inspection	1
4	Quality control inspection and testing	1
Appendix A Tests on crimped joints		
Ap	2	
	rure 1 — Light current applications. Wire cross-sectional	
are	a up to 5 mm ² (105 °C and 135 °C categories)	3
	rure 2 — Light current applications. Wire cross-sectional a	rea
up	to 5 mm ² (190 °C and 260 °C categories)	4
	rure 3 — Power applications. Wire cross-sectional area	
fro	m 5 mm ² to 106 mm ² (105 °C and 135 °C categories)	5
Fig	rure 4 — Power applications. Wire cross-sectional area	
from	m 5 mm ² to 106 mm ² (190 °C and 260 °C categories)	6
Tal	ole 1 — Pull-off loads, test currents and voltage drop value	es for copper
and	l copper alloy conductor crimps	7
Pul	blications referred to	Inside back cover