Replacement Copy

Superseded by AS 1660.4-1993

AS 1660.4—1986
UDC 621.315.2/.5:620.1

Australian Standard®
1660.4—1986

METHODS OF TEST FOR ELECTRIC CABLES, CORDS AND CONDUCTORS

Part 4—COMPLETE CABLE AND FLEXIBLE CORD

STANDARDS ASSOCIATION OF AUSTRALIA
Incorporated by Royal Charter

This Australian standard was prepared by Committee EL/3, Electric Wires and Cables. It was approved on behalf of the Council of the Standards Association of Australia on 22 July 1986 and published on 5 September 1986.

The following interests are represented on Committee EL/3:

Australian Electrical and Electronic Manufacturers Association

Confederation of Australian Industry

Department of Aviation

Department of Defence

Department of Industrial Relations (New South Wales)

Electrical Contractors Association of Australia

Electrical Regulatory Authorities

Electricity Supply Association of Australia

Railways of Australia Committee

Telecom Australia

Testing Interests

This standard was issued in draft form for comment as DR 85119.

AUSTRALIAN STANDARD

METHODS OF TEST FOR ELECTRIC CABLES, CORDS AND CONDUCTORS

Part 4
COMPLETE CABLE AND FLEXIBLE CORD

AS 1660.4—1986

First published 1974
Second edition.....1986

PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA
STANDARDS HOUSE, 80 ARTHUR ST, NORTH SYDNEY, N.S.W.
ISBN 0 7262 4334 5

PREFACE

This standard was prepared by the Association's Committee on Electric Wires and Cables. It is Part 4 of a four-part standard and is published concurrently with Parts 1, 2 and 3. Overall, all four standards constitute a revision of and replacement for—

AS 1660 Methods of Test for Electric Cables and Flexible Cords (including Conductors, Insulation and Sheath)

Part 1—1974 Test Methods for Conductors
Part 2—1974 Test Methods for Insulation, Sheath and Braid
Part 3—1974 Test Methods for Complete Cable
Part 4—1974 Test Methods for Complete Flexible Cords.

It should be noted that the four Parts of this edition of AS 1660 are not directly equivalent to the four Parts of the 1974 edition.

The four Parts of this new edition of AS 1660 are:

Part 1—Conductors and Metallic Components

Part 2—Insulation, Extruded Semi-conductive Screens and Non-metallic Sheaths

Part 3—Electrical Tests

Part 4—Complete Cable and Flexible Cord.

CONTENTS

STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
METHODS OF TEST FOR ELECTRIC CABLES, CORDS AND CONDUCTORS

PART 4—COMPLETE CABLE AND FLEXIBLE CORD

SECTION 1. SCOPE AND GENERAL REQUIREMENTS

1.1 SCOPE. This standard sets out methods of testing completed cable and cord.

1.2 APPLICATION. The various individual specifications for particular types of cable or cord prescribe the actual tests from the range herein which are applicable to that type of cable or cord and also specify the category of and criteria for such tests.

1.3 REFERENCED DOCUMENTS. The following documents are referred to in this standard:

AS 1660 Methods of Test for Electric Cables, Cords and Conductors
Part 3—Electrical Tests

AS 2744 Preparation, Application and Format of Fire Tests

AS B292 Emery Cloth and Glass Paper

IEC 332-1 Test on Electric Cables Under Fire Conditions
Part 1—Test on a Single Vertical Insulated Wire or Cable

ISO 4046 International Standards Organization, Vocabulary

1.4 TESTING TEMPERATURE. Unless otherwise specified, all tests shall be conducted in an ambient temperature of 23 ±2°C.

1.5 SELECTION OF SPECIMENS. All specimens used for testing shall be taken at least 300 mm from the end of a factory length of finished cable, flexible cable or flexible cord.

1.6 DEFINITIONS. For the purpose of this standard, the definitions given in the relevant cable standard or as given in a clause of this standard apply.