AS/NZS 2053.1:1995

Australian/New Zealand Standard

Conduits and fittings for electrical installations

Part 1: General requirements

AS/NZS 2053.1:1995

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL/4, Electrical Accessories. It was approved on behalf of the Council of Standards Australia on 1 November 1994 and on behalf of the Council of Standards New Zealand on 20 January 1995. It was published on 5 March 1995.

The following interests are represented on Committee EL/4:

Australian Chamber of Commerce and Industry

Australian Electrical and Electronic Manufacturers Association

Australian Regulatory Authorities (Electrical)

Consumer Electronic Suppliers Association

Electricity Supply Association of Australia

Ministry of Commerce New Zealand

National Electrical Contractors Association of Australia

New Zealand Manufacturers Federation

Plastics and Chemical Industry Association, Australia

Review of Standards. To keep abreast of progress in industry, Joint Australian/New Zealand Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Joint Standards and related publications will be found in the Standards Australia and Standards New Zealand Catalogue of Publications; this information is supplemented each month by the magazines 'The Australian Standard' and 'Standards New Zealand', which subscribing members receive, and which give details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

AS/NZS 2053.1:1995

Australian/New Zealand Standard

Conduits and fittings for electrical installations

Part 1: General requirements

AS 2053—1984, AS 2052—1977, NZS 159.1:1954, NZ 6221.1:1972, NZ 6221.2:1972 and NZS 6207:1982 were jointly revised, amalgamated and redesignated in part as Joint Standard AS/NZS 2053.1:1995.

Incorporating: Amdt 1—1997

PUBLISHED JOINTLY BY:

STANDARDS AUSTRALIA 1 The Crescent, Homebush NSW 2140 Australia

STANDARDS NEW ZEALAND Level 10, Standards House, 155 The Terrace, Wellington 6001 New Zealand

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL/4 on Electrical Accessories to supersede in part, AS 2053—1984, Nonmetallic conduits and fittings, and AS 2052—1977, Metallic conduits and fittings, NZS 127:1949, Steel conduit and fittings for electrical wiring, NZS 159: Flexible steel conduit for cable protection and flexible steel tubing to enclose flexible drives, Part 1:1954, Flexible steel conduit and adaptors for the protection of electric cable, NZS 6207:1982, Specification for unplasticized PVC conduit and fittings for electrical wiring, and NZS 6221:1982, Specification for steel conduit and fittings with metric threads of ISO form for electrical installations, Part 1:1972, Steel conduit, bends and couplers, Part 2: Fittings and components. It is issued as a joint Standard.

This Standard is Part 1 of the following series:

AS 2053 Conduits and fittings for electrical installations

Part 1: General requirements (this Standard)

Part 2: Rigid plain conduits and fittings of insulating material

Part 3: Rigid plain conduits and fittings of fibre-reinforced concrete material

Part 4: Flexible plain conduits and fittings of insulating material

Part 5: Corrugated conduits and fittings of insulating material

Part 6: Profile-wall, smooth-bore conduits and fittings of insulating material

Part 7: Rigid metal conduits and fittings

Part 8: Flexible conduits and fittings of metal or composite material

This Standard closely follows IEC 614-1(1994), Specification for conduits for electrical installations, Part 1: General requirements.

The main clause numbers and titles of this Standard are the same as those of IEC 614-1.

Appendices designated as normative are essential to the understanding or implementation of this Standard.

$@ \ Copyright - STANDARDS \ AUSTRALIA/STANDARDS \ NEW \ ZEALAND \\$

Users of Standards are reminded that copyright subsists in all Standards Australia and Standards New Zealand publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia or Standards New Zealand may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia or Standards New Zealand. Permission may be conditional on an appropriate royalty payment. Australian requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia. New Zealand requests should be directed to Standards New Zealand.

Up to 10 percent of the technical content pages of a Standard may be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia or Standards New Zealand.

Inclusion of copyright material in computer software programs is also permitted without royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia or Standards New Zealand at any time.

3

CONTENTS

		Page
1	SCOPE AND REFERENCED DOCUMENTS	4
2	DEFINITIONS	4
3	GENERAL REQUIREMENTS	5
4	GENERAL NOTES ON TESTS	5
5	CLASSIFICATION	6
6	MARKING	7
7	DIMENSIONS AND FORM	9
8	CONSTRUCTION	9
9	MECHANICAL PROPERTIES	9
10	RESISTANCE TO HEAT	10
11	RESISTANCE TO BURNING	
12	ELECTRICAL CHARACTERISTICS	10
13	EXTERNAL INFLUENCES	10
A DD	ENDICES	
AFF		12
A B	TEST OF RESISTANCE TO COMPRESSION	
С	TEST OF RESISTANCE TO IMPACT TEST OF RESISTANCE TO COLLAPSE	
D	TEST OF RESISTANCE TO COLLAI SE	10
D	CONDUITS AND FITTINGS	18
Е	TEST OF IGNITABILITY AND FLAME PROPAGATION	
F	TEST OF ELECTRICAL CONTINUITY	
G		
Н		
I	TESTS OF LEVEL OF PROTECTION OF CONDUITS AND FITTINGS	
_	AGAINST CORROSIVE OR POLLUTING SUBSTANCES	28



	This is a free preview.	Purchase the e	entire publication	at the link below:
--	-------------------------	----------------	--------------------	--------------------

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation