AS/NZS 2373.2:1995

Australian/New Zealand Standard

Electric cables for control and protection circuits

Part 2: Twisted pair control cables

AS/NZS 2373.2:1995

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL/3, Electric Wires and Cables. It was approved on behalf of the Council of Standards Australia on 25 January 1995 and on behalf of the Council of Standards New Zealand on 3 February 1995. It was published on 5 May 1995.

The following interests are represented on Committee EL/3:

Australian Electrical and Electronic Manufacturers Association
Department of Defence, Australia
Electrical regulatory authorities
Electricity Supply Association of Australia
Ministry of Commerce, New Zealand
New Zealand Electrical and Electronic Manufacturers Federation
New Zealand Electrical Contractors Association
Office of Energy, N.S.W.
Railways of Australia Committee
Testing interests

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which subscribing members receive, and which give details of new publications, new editions and amendments, and of withdrawn Standards.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 2373.2:1995

Australian/New Zealand Standard

Electric cables for control and protection circuits

Part 2: Twisted pair control cables

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/3 on Electric Wires and Cables to supersede AS 2373.2—1982, Control cables for electricity supply systems, Part 2: Aerial control cables.

This Standard is for cables used for control, supervisory, protection and instrumentation circuits. Part 1 covers multicore control cables and Part 2 covers twisted pair control cables with or without a catenary support wire.

This Standard differs from the 1982 edition as follows:

- (a) The title has been changed to Twisted Pair Control Cables.
- (b) Requirements for armour, bedding for armour and an insect-resistant barrier plus an appendix for H.V. testing have been added.
- (c) Requirements for cable end markings have been deleted.
- (d) Table of tests has been revised.
- (e) Appendix A has been added to provide a method for calculating fictitious diameters of twisted pair cables.

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

© 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	S	COPE	4			
2	R	EFERENCED DOCUMENTS	4			
3	D	EFINITIONS	4			
4	V	OLTAGE DESIGNATION	5			
5	C	ONDUCTORS	5			
6	IN	NSULATION	5			
7	N	UMBER OF CORES AND CONFIGURATION	5			
8	L	AY-UP OF TWISTED PAIRS	5			
9	F	ILLERS AND BINDERS	6			
10	В	INDER TAPE	6			
11	C	OLLECTIVE INSULATION	6			
12	M	IETALLIC SCREENS	7			
13	M	IOISTURE BARRIER	7			
14	В	EDDING	7			
15	M	METALLIC SHEATH	7			
16	S	EPARATION SHEATH	7			
17	A	RMOUR	7			
18	N	ON-METALLIC SHEATH	7			
19	IN	NSECT-RESISTANT BARRIER	8			
20	CATENARY SUPPORT WIRES					
21	MARKING					
22	C	ONSTRUCTION AND DIMENSIONS	9			
23	T	ESTING	13			
24	G	UIDE TO BENDING RADIUS	13			
ΑP	PE	NDICES				
	A	THE FICTITIOUS CALCULATION METHOD FOR THE DETERMINATION	V			
		OF THE DIMENSIONS OF PROTECTIVE COVERINGS				
	В	PURCHASING GUIDELINES				
	C	HIGH VOLTAGE TESTS	_			
	D	GUIDE TO BENDING RADIUS OF NON-AERIAL TWISTED PAIR				
		CONTROL CABLES	20			
	Е	ROUNDING OF NUMBERS				

Originated in Australia as AS 2373.2 — 1982. Jointly revised and designated AS/NZS 2373.2:1995.



The is a new provider i arenade and chare publication at the limit below	This is a free preview.	Purchase the	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