

STANDARDS  
Australia

HB 29—2007  
(Incorporating Amendment No. 1)

# Communications Cabling Manual

## Module 2: Communications cabling handbook



handbook

HB



**HB 29—2007**  
(Incorporating Amendment No. 1)

# Handbook

## **Communications cabling manual**

### **Module 2: Communications cabling handbook**

Originated as HB 29—1998.  
Previous edition 2000.  
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## PREFACE

This Handbook, HB 29, is one of a series of Handbooks and Standards known collectively as the Communications Cabling Manual (CCM). The CCM is compiled by Standards Australia in consultation with the Committee CT-001, Communications Cabling representing carriers, the Communications Alliance, the Australian Communications and Media Authority (ACMA), cable manufacturers, cablers and end-users. The original Handbook, HB 29—1998, was prepared and illustrated by Peter Graham of Stowe Australia. This latest edition supersedes HB 29—2000 and was reviewed and updated by members of Committee CT-001, Communications Cabling, which is responsible for Australian/New Zealand Communications Cabling Standards.

*This Standard incorporates Amendment No. 1 (July 2010). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.*

The CCM is designed to provide essential information to the communications cabling industry and is available in five modules.

- Module 1 Australian regulatory arrangements (HB 243)
- Module 2 Communications cabling Handbook (HB 29)
- Module 3 Residential cabling Handbook (HB 252)
- Module 4 Regulatory Standards  
(AS/ACIF S008:2006 and AS/ACIF S009:2006 or their replacements)
- Module 5 Voluntary Standards  
(e.g. AS/NZS 3080 and AS/NZS ISO/IEC 24702)

The objective of this Handbook is to supplement the information in the two Regulatory Standards derived from the Cabling Provider Rules (the Act) and the Voluntary Standards associated with Commercial and Industrial generic cabling systems installation, with explanatory material, practical details and generally useful information in order to assist installers and others in the field. It includes important extracts from the 'Wiring Rules', AS/ACIF S009:2006.

The word 'must' is used in this Handbook to indicate a requirement of the applicable Standard or the Act.

Whilst the information contained in this Handbook is the latest available at the time of printing, users need to consult the latest edition of any referenced Standard, amendments to the Telecommunications Act and its regulations, and use the references herein as a guide only.

This Third Edition is the result of a complete revision. Two of the major changes are the re-writing of Section 6 Testing and Administration (Optical Fibre Cable) as the result of the Australian adoption of ISO/IEC 14763-3, the international fibre optic (FO) testing standard, and the inclusion of material dealing with industrial cabling as per the recently published adoption AS/NZS ISO/IEC 24702, *Telecommunications installation—Generic cabling—Industrial premises*.

This Handbook is updated regularly and feedback from users is welcomed to assist in improving successive editions.

To receive email notification of any new or updated documentation concerning communications cabling, you are able to register with Standards Watch at [www.saiglobal.com/shop/script/search.asp](http://www.saiglobal.com/shop/script/search.asp).

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