



Telecommunications (Requirements for Authorised Cabling Products AS/ACIF S008:2001) Amendment Technical Standard 2002 (No. 1)

The AUSTRALIAN COMMUNICATIONS AUTHORITY makes this amendment under subsection 376 (1) of the *Telecommunications Act 1997*.

Dated 11 December 2002

A.J SHAW
Chair

R HORTON
Deputy Chair

Australian Communications Authority

1 Name of amendment

This amendment is the *Telecommunications (Requirements for Authorised Cabling Products AS/ACIF S008:2001) Amendment Technical Standard 2002 (No. 1)*.

2 Commencement

This amendment commences on gazettal.

Section 3

3 Amendment of *Telecommunications (Requirements for Authorised Cabling Products AS/ACIF S008:2001) Technical Standard 2001*

Schedule 1 amends the *Telecommunications (Requirements for Authorised Cabling Products AS/ACIF S008:2001) Technical Standard 2001*.

Schedule 1 Amendments

(section 3)

[1] Section 5

omit

AS/ACIF S008:2001.

insert

AS/ACIF S008:2001, modified as set out in Schedule 1.

[2] After section 5

insert

Schedule 1 Modification of AS/ACIF S008:2001

(section 5)

[1] Clause 3, item 29

substitute

[29] IEC 60794–1–2–F5B:1999 Water Penetration Test

[2] Clause 5.7.1

substitute

5.7.1 Application

Clause 5.7.2 applies to all types of cabling excluding blown fibre tube systems except where otherwise stated. Other customer cables requirements are specified in Clauses 5.8, 5.9 and 5.10.

[3] Clauses 5.7.2.1 and 5.7.2.2

substitute

5.7.2.1 Cable

5.7.2.1.1 Cables solely intended for telecommunications purposes **shall not** be of a design or type commonly used for mains power.

5.7.2.1.2 Outdoor cable intended to be installed underground **shall** comply with the requirements for Water Penetration specified in IEC 60794-1-2-F5B [29].

5.7.2.1.3 Where a recognizable telecommunications cable does not exist or the cable is designed for Multidiscipline use (e.g. designed for special applications such as MIMS cable), the requirements in Clause 5.10 are applicable.

5.7.2.1.4 The outer tube or sheath of an underground blown fibre tube **shall** comply with —

- (a) the requirements of IPX8 of AS 1939 [6]; and
- (b) the sheath requirements of Clause 5.7.2.2.2 or Clause 5.7.2.2.3.

5.7.2.2 Insulation and sheath materials

5.7.2.2.1 Telecommunications use

The insulation and sheath materials used **shall** be suitable for telecommunications use.

5.7.2.2.2 Non-PVC insulation and sheath

Non-PVC insulation and sheath materials **shall** comply with the requirements of AS 1049 [2] for —

- (a) Tensile Strength Test (Aged/Unaged);
- (b) Elongation Test (Aged/Unaged);
- (c) Shrinkback Tests for that particular type of insulation and sheathing; and
- (d) cables exposed to UV radiation for sheath of outdoor cable only.

Compliance with Clause 5.7.2.2.2 (d) is determined by the manufacturer's declaration.

5.7.2.2.3 PVC insulation and sheath

PVC insulation and sheath materials **shall** comply with —

- (a) the requirements of Table 1 and Table 2; and
- (b) the requirements of AS 1049 [2] for cables exposed to UV radiation for outdoor cable only.

Compliance with Clause 5.7.2.2.3 (b) is determined by the manufacturer's declaration.