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NSAI Standards

Irish Standard
I.S. EN 50117-1:2002

Coaxial cables -- Part 1: Generic specification

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I.S. EN 50117-1:2002

Incorporating amendments/corrigenda issued since publication:

EN 50117-1:2002/A1:2006
EN 50117-1:2002/A2:2013

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SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces:	*This document is based on:*	*Published:*
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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50117-1/A2

June 2013

ICS 33.120.10

English version

Coaxial cables - Part 1: Generic specification

Câbles coaxiaux - Partie 1: Spécification générique

Koaxialkabel - Teil 1: Fachgrundspezifikation

This amendment A2 modifies the European Standard EN 50117-1:2002; it was approved by CENELEC on 2013-06-17. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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European Committee for Electrotechnical Standardization
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Europäisches Komitee für Elektrotechnische Normung

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Ref. No. EN 50117-1:2002/A2:2013 E

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Foreword

This document (EN 50117-1:2002/A2:2013) has been prepared by CLC/SC 46XA "Coaxial cables" of CLC/TC 46X "Communication cables".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2014-06-17
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2016-06-17

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50117-1/A1

November 2006

ICS 33.120.10

English version

Coaxial cables
Part 1: Generic specification

Câbles coaxiaux
Partie 1: Spécification générique

Koaxialkabel
Teil 1: Fachgrundspezifikation

This amendment A1 modifies the European Standard EN 50117-1:2002; it was approved by CENELEC on 2006-07-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
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Foreword

This amendment to the European Standard EN 50117-1:2002 was prepared by SC 46XA, Coaxial cables, of Technical Committee CENELEC TC 46X, Communication cables.

The text of the draft was submitted to the formal vote and was approved by CENELEC as amendment A1 to EN 50117-1:2002 on 2006-07-01.

The following dates were fixed:

– latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2007-07-01
– latest date by which the national standards conflicting with the amendment have to be withdrawn	(dow)	2009-07-01

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Foreword

This European Standard was prepared by SC 46XA, Coaxial cables, of Technical Committee CENELEC TC 46X, Communication cables.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50117-1 on 2001-12-01.

This European Standard supersedes EN 50117-1:1995 + corrigendum July 1997 + A1:1997 + A2:1997.

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- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2004-12-01

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Contents

1 Scope **4**

2 Normative references **4**

3 Definitions **6**

4 Requirements for cable construction **6**

4.1 General 6
4.2 Inner conductor 7
4.2.1 Conductor material 7
4.2.2 Conductor construction 7
4.3 Dielectric 7
4.4 Outer conductor or screen 8
4.5 Filling compounds 9
4.6 Moisture barriers 9
4.7 Wrapping layers 9
4.8 Sheath 9
4.9 Metallic protection 9
4.10 Cable integral suspension strand (messenger wire) 9
4.11 Oversheath 9
4.12 Fauna proofing 10
4.13 Chemical and/or environmental proofing 10
4.14 Cable identification 10
4.14.1 Sheath marking 10
4.14.2 Labelling 10

5 Test methods for completed cables **11**

5.1 Electrical test methods 11
5.1.1 Low frequency and d.c. electrical measurements 11
5.1.2 High-frequency electrical and transmission measurements 12
5.2 Mechanical test methods 12
5.3 Environmental test methods 13
5.4 Fire performance test methods 13

Table 1 – Low frequency and d.c. electrical measurements 11
Table 2 – High frequency electrical and transmission measurements 12
Table 3 – Mechanical test methods 12
Table 4 – Environmental test methods 13
Table 5 – Fire performance test methods 13

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1 Scope

This European Standard covers coaxial cables for use in analogue and digital systems. This standard should be used in conjunction with EN 50290-1-1.

Coaxial cables covered by this standard operate in transverse electromagnetic mode (TEM) and are suitable for use in a wide range of digital and analogue applications including CATV, radio frequency systems, instrumentation, broadcasting, telecommunications and data network systems. Various constructions and materials provide for indoor and outdoor applications, including underground and overhead installations, and other environmental protection characteristics.

Generally, cables are designed for use in 50 Ohm and 75 Ohm characteristic impedance systems, although other types (e.g. 93/95 Ohm) are also covered.

Coaxial cables defined by this standard may be incorporated into hybrid cable constructions with optical fibre or multi-element cable components.

All cables covered by this standard may be subjected to voltages greater than 50 V a.c. or 75 V d.c. However, these cables are not intended for direct connection to the mains electricity supply or other low impedance sources.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies, (including amendments).

EN 50289-1-2	Communication cables - Specifications for test methods – Part 1-2: Electrical test methods – DC resistance
EN 50289-1-3	Communication cables - Specifications for test methods – Part 1-3: Electrical test methods – Dielectric strength
EN 50289-1-4	Communication cables - Specifications for test methods – Part 1-4: Electrical test methods – Insulation resistance
EN 50289-1-5	Communication cables - Specifications for test methods – Part 1-5: Electrical test methods – Capacitance
EN 50289-1-6	Communication cables - Specifications for test methods – Part 1-6: Electrical test methods – Electromagnetic performance
EN 50289-1-7	Communication cables - Specifications for test methods – Part 1-7: Electrical test methods – Velocity of propagation
EN 50289-1-8	Communication cables - Specifications for test methods – Part 1-8: Electrical test methods – Attenuation
EN 50289-1-11	Communication cables - Specifications for test methods – Part 1-11: Electrical test methods – Characteristic impedance, input impedance, return loss

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