



NSAI
Standards

Irish Standard
I.S. EN 50117-2-3:2004

Coaxial cables -- Part 2-3: Sectional specification for cables used in cabled distribution networks - Distribution and trunk cables for systems operating at 5 MHz - 1 000 MHz

I.S. EN 50117-2-3:2004

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English version

**Coaxial cables -
Part 2-3: Sectional specification for cables used in cabled distribution
networks -
Distribution and trunk cables for systems operating at 5 MHz -
1 000 MHz**

Câbles coaxiaux -
Partie 2-3: Spécification intermédiaire
pour câbles utilisés dans les réseaux de
distribution câblés -
Câbles de distribution et câbles principaux
des systèmes fonctionnant à 5 MHz -
1 000 MHz

Koaxialkabel -
Teil 2-3: Rahmenspezifikation für Kabel
für Kabelverteilanlagen -
Verteiler und Linienkabel für Systeme im
Bereich von 5 MHz -
1 000 MHz

This amendment A2 modifies the European Standard EN 50117-2-3:2004; it was approved by CENELEC on 2013-07-01. 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
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels

Contents

Page

Foreword	3
1 Modification to Clause 2, Normative references	4
2 Modification to 5.4, Fire performance test methods	4

Foreword

This document (EN 50117-2-3:2004/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 (dop) 2014-07-01
national level by publication of an identical national standard
or by endorsement
- latest date by which the national standards conflicting with (dow) 2016-07-01
this document have to be withdrawn

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).

English version

**Coaxial cables -
Part 2-3: Sectional specification for cables
used in cabled distribution networks -
Distribution and trunk cables for systems operating
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Koaxialkabel -
Teil 2-3: Rahmenspezifikation
für Kabel für Kabelverteilanlagen -
Verteiler und Linienkabel für Systeme
im Bereich von 5 MHz - 1 000 MHz

This amendment A1 modifies the European Standard EN 50117-2-3:2004; it was approved by CENELEC on 2007-12-01. 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
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

This amendment to the European Standard EN 50117-2-3:2004 was prepared by SC 46XA, Coaxial cables, of Technical Committee CENELEC TC 46X, Communication cables.

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EUROPEAN STANDARD

EN 50117-2-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2004

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English version

Coaxial cables
Part 2-3: Sectional specification for cables
used in cabled distribution networks –
Distribution and trunk cables for systems
operating at 5 MHz - 1 000 MHz

Câbles coaxiaux
Partie 2-3: Spécification intermédiaire
pour les câbles utilisés dans les réseaux
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et câbles principaux des systèmes
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Koaxialkabel
Teil 2-3: Rahmenspezifikation für Kabel
für Kabelverteilanlagen –
Verteiler und Linienkabel für Systeme
im Bereich von 5 MHz - 1 000 MHz

This European Standard was approved by CENELEC on 2004-09-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

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 50117-2-3 on 2004-09-01.

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Contents

1	Scope	4
2	Normative references	4
3	Definitions.....	4
4	Requirements for cable construction.....	5
4.1	General	5
4.2	Inner conductor	5
4.3	Dielectric	5
4.4	Outer conductor or screen	5
4.5	Filling compounds.....	5
4.6	Moisture barriers	5
4.7	Wrapping layers	5
4.8	Sheath.....	5
4.9	Metallic protection	6
4.10	Cable integral suspension strand (Messenger wire).....	6
4.11	Oversheath.....	6
4.12	Fauna proofing	6
4.13	Chemical and/or environmental proofing	6
4.14	Cable identification	6
	4.14.1 Sheath marking	6
	4.14.2 Labelling.....	6
5	Tests for completed cables	7
5.1	Electrical tests	7
	5.1.1 Low-frequency and D.C. electrical measurements	7
	5.1.2 High-frequency electrical and transmission measurements	7
5.2	Mechanical tests.....	9
5.3	Environmental tests	10
5.4	Fire performance test methods	11
	Table 1 – Low-frequency and D.C. electrical measurements	7
	Table 2 – High-frequency electrical and transmission measurements.....	7
	Table 3 – Mechanical tests.....	9
	Table 4 – Environmental tests	10
	Table 5 – Fire performance test methods	11

1 Scope

This European Standard relates to EN 50117-1 and should be read in conjunction with this generic specification. This specification applies to distribution and trunk cables for use in cabled distribution systems operating at temperature between -40 °C and $+70\text{ °C}$ ¹⁾ and at frequencies between 5 MHz and 1 000 MHz and complying with the requirements of EN 50083.

The purpose of this European Standard is to specify the applicable test methods and requirements for the electrical, mechanical, environmental and fire performance of the cables.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50083 series	Cable networks for television signals, sound signals and interactive services
EN 50117-1	Coaxial cables – Part 1: Generic specification
EN 50289-1-6	Communication cables – Specifications for test methods – Part 1-6: Electrical test methods – Electromagnetic performance
EN 50289-3-9	Communication cables – Specifications for test methods – Part 3-9: Mechanical test methods – Bending tests
EN 50290-1-2 ²⁾	Communication cables – Part 1-2: Definitions
EN 50290-2-23	Communication cables – Part 2-23: Common design rules and construction – PE insulation
EN 50290-2-24	Communication cables – Part 2-24: Common design rules and construction – PE sheathing
EN 50290-2-25	Communication cables – Part 2-25: Common design rules and construction – Polypropylene insulation compounds
EN 50290-2-27	Communication cables – Part 2-27: Common design rules and construction – Halogen free flame retardant thermoplastic sheathing compounds
EN 50290-4-1	Communication cables – Part 4-1: General considerations for the use of cables – Environmental conditions and safety aspects
EN 62153-1-1	Metallic telecommunication cable test methods – Part 1-1: Electrical – Measurement of the pulse/step return loss in the frequency domain using the Inverse Discrete Fourier Transformation (IDFT) (IEC 62153-1-1)
IEC 61196-1-115 ²⁾	Coaxial communication cables – Part 1-115: Electrical test methods – Test for pulse return loss (regularity of impedance)

3 Definitions

For the purposes of this European Standard, the definitions of EN 50290-1-2 and EN 50117-1 apply.

1) This value is valid for applications without ampacity only.

2) At draft stage.

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