Nederlandse

Ontwerp

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NEN-EN 50117-11-1

Coaxial cables - Part 11-1: Sectional specification for coaxial cables for analoque and digital signal transmission - Distribution and trunk cables for systems operating at 5 MHz - 1 000 MHz

Publicatie uitsluitend voor commentaar

Kabels, draden, golfgeleiders - Coaxiale kabels - Deel 11-1: Groepsspecificatie voor coaxiale kabels voor analoge en digitale signaal transmissie - `Distributie- en hoofdkabels voor systemen van 5 MHz - 1 000 MHz

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Commentaar vóór 2015-12-15

Zal vervangen NEN-EN 50117-2-3:2004; NEN-EN 50117-2-3:2004/A1:2008; NEN-EN 50117-2-3:2004/A2:2013

Als Europees normontwerp is gepubliceerd: prEN 50117-11-1:2015,IDT

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Nederlands Elektrotechnisch Comité

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
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Will supersede EN 50117-2-3:2004

English Version

Coaxial cables - Part 11-1: Sectional specification for coaxial cables for analoque and digital signal transmission - Distribution and trunk cables for systems operating at 5 MHz - 1 000 MHz

Koaxiale Kabel - Teil 11-1: Rahmenspezifikation für koaxiale Kabel für analoge und digitale Signalübertragung - Verteiler und Linienkabel für Systeme im Bereich von 5 MHz - 1 000 MHz

This draft European Standard is submitted to CENELEC members for enquiry.
Deadline for CENELEC: 2016-01-15.

It has been drawn up by CLC/SC 46XA.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CENELEC in three official versions (English, French, German).
A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.

CENELEC

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

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European foreword

This document (prEN 50117-11-1:2015) has been prepared by CLC/SC 46XA "Coaxial cables" of CLC/TC 46X "Communication cables".

This document is currently submitted to the Enquiry.

This document will supersede EN 50117-2-3.

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

All materials used for cables according to this standard shall fulfil the requirements of the current REACH and ROHS Directives.

prEN 50117-11-1:2015

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 analogue and digital signal transmission e.g. for cable networks for television signals, sound signals and interactive services in accordance with EN 60728 series and with the EN 50173 and EN 50174 series.

Cables according to this standard are designed for an operating temperature range from -40 °C and +70 °C[1] and at frequencies between 5 MHz and 1 000 MHz.

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 documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 50117-1:2002, *Coaxial cables – Part 1: Generic specification*

EN 50289-3-9:2001, *Communication cables – Specifications for test methods – Part 3-9: Mechanical test methods – Bending tests*

EN 50290-1-2:2004, *Communication cables – Part 1-2: Definitions*

EN 50290-2-24, *Communication cables – Part 2-24: Common design rules and construction – PE sheathing*

EN 50290-2-27, *Communication cables – Part 2-27: Common design rules and construction – Halogen free flame retardant thermoplastic sheathing compounds*

prEN 50290-2-37, *Communication cables – Part 2-23: Common design rules and construction – PE insulation for coaxial cables*

prEN 50290-2-38, *Communication cables – Part 2-25: Common design rules and construction – Polypropylene insulation for coaxial cables*

EN 62153-1-1, *Metallic communication cables 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, *Coaxial communication cables – Part 1-115: Electrical test methods – Test for regularity of impedance (pulse/step function return loss)*

IEC 62153-4-3 ed 2.0, *Metallic communication cable test methods – Part 4-3: Electromagnetic compatibility (EMC) – Surface transfer impedance – Triaxial method*

IEC 62153-4-4 ed 2.0, *Metallic communication cable test methods – Part 4-4: Electromagnetic compatibility (EMC) – Test method for measuring of the screening attenuation as up to and above 3 GHz, triaxial method*

[1] This value is valid for applications without ampacity only, see also Table 6 concerning max. D.C. current.

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