

**norm****NEN-EN 50117-11-1**

Coaxial cables - Part 11-1: Sectional specification for coaxial cables for analogue 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 signaaltransmissie - Distributie- en hoofdkabels voor systemen van 5 MHz - 1 000 MHz

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ICS 33.120.10

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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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Voorbeeld  
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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN 50117-11-1**

October 2015

ICS 33.120.10

Will supersede EN 50117-2-3:2004

English Version

**Coaxial cables - Part 11-1: Sectional specification for coaxial cables for analogue 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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

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

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37 **European foreword**

38 This document (prEN 50117-11-1:2015) has been prepared by CLC/SC 46XA "Coaxial cables" of CLC/TC  
39 46X "Communication cables".

40 This document is currently submitted to the Enquiry.

41 This document will supersede EN 50117-2-3.

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

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

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**prEN 50117-11-1:2015****46 1 Scope**

47 This European Standard relates to EN 50117-1 and should be read in conjunction with this generic  
 48 specification. This specification applies to distribution and trunk cables for analogue and digital signal  
 49 transmission e.g. for cable networks for television signals, sound signals and interactive services in  
 50 accordance with EN 60728 series and with the EN 50173 and EN 50174 series.

51 Cables according to this standard are designed for an operating temperature range from -40 °C and +70 °C<sup>1</sup>  
 52 and at frequencies between 5 MHz and 1 000 MHz.

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

**55 2 Normative references**

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

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

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

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

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

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

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

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

71 EN 62153-1-1, *Metallic communication cables test methods – Part 1-1: Electrical – Measurement of the  
 72 pulse/step return loss in the frequency domain using the Inverse Discrete Fourier Transformation (IDFT)  
 73 (IEC 62153-1-1)*

74 IEC 61196-1-115, *Coaxial communication cables – Part 1-115: Electrical test methods – Test for regularity of  
 75 impedance (pulse/step function return loss)*

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

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

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<sup>1</sup> This value is valid for applications without ampacity only, see also Table 6 concerning max. D.C. current.

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