SLOVENSKI STANDARD
oSIST prEN 50117-1:2017

01-julij-2017

Koaksialni kabli - 1. del: Rodovna specifikacija

Coaxial cables - Part 1: Generic specification

Koaxialkabel - Teil 1: Fachgrundspezifikation

Câbles coaxiaux - Partie 1: Spécification générique

Ta slovenski standard je istoveten z: **prEN 50117-1:2017**

ICS:

33.120.10	Koaksialni kabli. Valovodi	Coaxial cables. Waveguides

oSIST prEN 50117-1:2017 **en**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

DRAFT
prEN 50117-1

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ICS 33.120.10

Will supersede EN 50117-1:2002

English Version

Coaxial cables - Part 1: Generic specification

Câbles coaxiaux - Partie 1: Spécification générique

Koaxialkabel - Teil 1: Fachgrundspezifikation

This draft European Standard is submitted to CENELEC members for enquiry.
Deadline for CENELEC: 2017-08-18.

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.

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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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European foreword

This document (prEN 50117-1:2017) has been prepared by SC 46XA, "Coaxial cables", of CLC/TC 46X, "Communication cables".

This document is currently submitted to the Enquiry.

The following dates are proposed:

• latest date by which the existence of this document has to be announced at national level	(doa)	dor + 6 months
• latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	dor + 12 months
• latest date by which the national standards conflicting with this document have to be withdrawn	(dow)	dor + 36 months (to be confirmed or modified when voting)

This document will supersede EN 50117-1:2002.

EN 50117-1:2017 includes the following significant technical changes with respect to EN 50117-1:2002:

— In the European foreword, reference to LVD, REACH and ROHS directives was added;

— in Clause 2, "60811-1-1" was replaced by "60811-201/202/203" and "EN 50356, Method for spark testing of cables" was replaced by "EN 62230, Electric cables - Spark-test method";

— in 4.1, “i.e. the temperature rise due to the current is below the continuous maximum permitted temperature of the dielectric and the sheath material” was added;

— in 4.2.1: a) b) c) text was added;

— in 4.3, foam dielectric was added, EN 50290-2-n series (EN 50290-2-20:2016, Table A.1) was corrected;

— in 4.4, silvered wires were added,

  — f) as in item a) above, applied over the film; was deleted;

  — h) “Any combination of the above designs” was added;

— in 4.5, “Longitudinal water tightness may be achieved also by other solutions like swelling powder, yarns, tapes” was added;

— in 4.8, “EN 50290-2-n series (EN 50290-2-20:2016, Table A.1)” was corrected;

— In 4.9, "Metallic protection" was changed into: "Cable protection" and “glass yarns or aramid” was added;

— In 4.13, “metallic sheath of lead or suitable lead alloy” was deleted, and “Other materials, e.g. FEP or specific PUR may also be suitable” was added;

61 — In Table 1:

5.1.1.7	Voltage proof	EN 50289-1-3

62 was deleted;

63 — In Table 2:

5.1.3.5	Regularity of impedance	IEC 61196-1-115
5.1.3.6	Transfer impedance	IEC 62153-4-3 Ed2.0
5.1.3.7	Screening attenuation	IEC 62153-4-4 Ed2.0
5.1.3.8	Power rating (calculation)	IEC 60096-0-1

64 was added;

65 — In Table 4:

5.3.9	Tin and silver coating finish	IEC 61196-1-303

66 was added;

67 — a Bibliography was added.

68 Sectional and detail specifications according to this standard may cover the Principle Elements of the
69 Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD -
70 2014/35/EU).

71 All materials used for cables according to this standard will fulfil the requirements of the current REACH
72 Regulation and ROHS Directive.