SLOVENSKI STANDARD
SIST EN 50117-1:2004/A1:2007

01-oktober-2007

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: **EN 50117-1:2002/A1:2006**

ICS:

33.120.10 Koaksialni kabli. Valovodi Coaxial cables. Waveguides

SIST EN 50117-1:2004/A1:2007 **en,fr,de**

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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This amendment exists 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 Central Secretariat has the same status as the official versions.

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

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

Ref. No. EN 50117-1:2002/A1:2006 E

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

2 Normative references

Add:

EN 50356 Method for spark testing of cables

4.2.1 Conductor material

Replace the text by:

The conductor shall consist of bare or coated (silver or tin) copper uniform in quality and free from defects. The properties of the copper shall be in accordance with IEC 60028.

Alternatively, the conductor shall consist of copper-clad steel or coated (silver or tin) copper-clad steel. The layer of copper cladding shall be continuous and shall adhere to the steel; the cross-section shall be circular, such that the maximum resistance of the clad conductor shall not exceed that given for copper conductor, in accordance with IEC 60028, by more than a factor of 4,8, 3,5 and 2,8, respectively, for 21 % (minimum), 30 %, and 40 % nominal conductivity grade copper-clad steel. The percentage elongation at break, when tested in accordance with test methods given in 4.2 of EN 50289-3-2 shall be not less than 1 %. The minimum tensile strength shall be 827 N/mm^2, 792 N/mm^2, 760 N/mm^2 for 21 %, 30 %, and 40 % grade, respectively.

Alternatively, the conductor shall consist of copper clad aluminium or coated (silver or tin) copper clad aluminium. The layer of copper cladding shall be continuous and shall adhere to the aluminium, the cross section shall be circular, such that the maximum resistance of the clad conductor shall not exceed that given for copper conductor, in accordance with IEC 60028, by more than a factor of 1,8. The percentage elongation at break, when tested in accordance with test methods given in 4.2 of EN 50289-3-2 shall not be less than 1 %.

NOTE Consideration should be given to the loop resistance requirement of the cable where copper clad steel or copper clad aluminium conductors are used

4.14.1 Sheath marking

Add the following note**:**

NOTE The Construction products directive (CPD) will define classes for the fire performance of cables. As long as the CPD is under consideration and fire performance classes (Euroclasses) are not defined, sheath marking with Euroclass is not required.

5.1.1 Low frequency and d.c. electrical measurements

In Table 1, **replace** the row “5.1.1.5" by:

5.1.1.5	Voltage test of sheath (spark test)	EN 50356