

SLOVENSKI STANDARD SIST EN 60966-3:2009

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Radio frequency and coaxial cable assemblies - Part 3: Sectional specification for semiflexible coaxial cable assemblies (IEC 60966-3:2008)

Konfektionierte Koaxial- und Hochfrequenzkabel - Teil 3: Rahmenspezifikation für halbflexible konfektionierte Koaxialkabel (IEC 60966-3:2008)

Ensembles de cordons coaxiaux et d<u>e cordons pour fr</u>équences radioélectriques - Partie 3: Spécification intermédiaire pour cordons coaxiaux semi-flexibles (©EI 60966-3:2008) 46def40a9040/sist-en-60966-3-2009

Ta slovenski standard je istoveten z: EN 60966-3:2009

ICS:

33.120.10 Koaksialni kabli. Valovodi

Coaxial cables. Waveguides

SIST EN 60966-3:2009

en

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English version

Radio frequency and coaxial cable assemblies -Part 3: Sectional specification for semi-flexible coaxial cable assemblies (IEC 60966-3:2008)

Ensembles de cordons coaxiaux et de cordons pour fréquences radioélectriques -Partie 3: Spécification intermédiaire pour cordons coaxiaux semi-flexibles (CEI 60966-3:2008)

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iTeh STANDARD PREVIEW

This European Standard was approved by CENELEC on 2009-04-01. 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 3.2009

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 European Standard 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, Bulgaria, 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: avenue Marnix 17, B - 1000 Brussels

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Foreword

The text of document 46/264/CDV, future edition 3 of IEC 60966-3, prepared by IEC TC 46, Cables, wires, waveguides, R.F. connectors, R.F. and microwave passive components and accessories, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60966-3 on 2009-04-01.

This European Standard supersedes EN 60966-3:2003.

The major change with respect to EN 60966-3:2003 is a better definition of the tests to be performed.

This sectional specification is to be read in conjunction with EN 60966-1:1999. It contains the same clauses as that of EN 60966-1 and completes or amends them when required. When a clause of EN 60966-1 does not appear in this standard, it applies as it is in EN 60966-1. When this standard states "addition", "modification" or "replacement", the relevant text in Part 1 is to be adapted accordingly.

The following dates were fixed:

 latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement 	(dop)	2010-01-01
 latest date by which the national standards conflicting with the EN have to be withdrawn 	(dow)	2012-04-01

Annex ZA has been added by CENETEC.NDARD PREVIEW

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Endorsement notice

The text of the International Standard IEC 60966-3:2008 was approved by CENELEC as a European Standard without any modification.

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Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-6	_1)	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	2008 ²⁾
IEC 60096-2	_1)	Radio-frequency cables - Part 2: Relevant cable specifications	-	-
IEC 60410	_1)	Sampling plans and procedures for inspection by attributes	-	-
IEC 60966-1	1999 iTe	Radio frequency and coaxial cable assemblies - Part 1: Generic specification - General requirements and test methods	EN 60966-1	1999 ²⁾
IEC 61169	Series	Radio-frequency connectors en ai	EN 61169	Series
IEC 61196	Series	Coaxial communication cables	EN 61196	Series
IEC QC 001002	Series https://sta	IEC Quality Assessment System arfor Electronic Components (IECQ))e-e823-42ec Rules of procedure ist-en-60966-3-2009	e-95c8-	-
ISO 9000	_1)	Quality management systems - Fundamentals and vocabulary	EN ISO 9000	2005 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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Radio frequency and coaxial cable assemblies **REVIEW** Part 3: Sectional specification for semi-flexible coaxial cable assemblies

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO FREQUENCY AND COAXIAL CABLE ASSEMBLIES -

Part 3: Sectional specification for semi-flexible coaxial cable assemblies

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committee; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60966-3 has been prepared by IEC technical committee 46: Cables, wires, waveguides, R.F. connectors, R.F. and microwave passive components and accessories.

This third edition cancels and replaces the second edition published in 2003. It constitutes a technical revision.

The major change with respect to the second edition is a better definition of the tests to be performed.

This sectional specification is to be read in conjunction with the second edition of IEC 60966-1 (1999). It contains the same clauses as that of IEC 60966-1 and completes or amends them when required. When a clause of IEC 60966-1 does not appear in this standard, it applies as it is in IEC 60966-1. When this standard states "addition", "modification" or "replacement", the relevant text in Part 1 is to be adapted accordingly.

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The text of this standard is based on the following documents:

CDV	Report on voting
46/264/CDV	46/297/RVC

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of the IEC 60966 series, under the general title: *Radio frequency and coaxial cable assemblies,* can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

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RADIO FREQUENCY AND COAXIAL CABLE ASSEMBLIES –

Part 3: Sectional specification for semi-flexible coaxial cable assemblies

1 Scope

This part of IEC 60966 is a sectional specification that relates to semi-flexible coaxial cable assemblies operating in the transverse electromagnetic mode (TEM). It establishes uniform requirements for testing the electrical, mechanical and climatic properties of flexible cable assemblies composed of flexible coaxial cables and coaxial connectors.

NOTE 1 For the purposes of this sectional specification, a cable assembly is always regarded as an integral unit. All specifications apply to the finished assembly and not to individual and non-assembled parts thereof.

NOTE 2 This sectional specification should be supplemented with detail specifications giving additional details as required by the particular application. This application will not necessarily require all tests.

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.

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IEC 60068-2-6, Environmental testing – Part 2-6: Tests – Test Fc: Vibration (sinusoidal)

SIST EN 60966-3:2009

IEC 60096-2, Radio_frequency_cables_ataBarta2d_Relevant_cable_specifications 46def40a9040/sist-en-60966-3-2009

IEC 60410, Sampling plans and procedures for inspection by attributes

IEC 60966-1:1999, Radio frequency and coaxial cable assemblies – Part 1: Generic specification – General requirements and test methods

IEC 61169 (all parts), Radio-frequency connectors

IEC 61196 (all parts), Coaxial communication cables

IEC QC 001002 (all parts), IEC Quality Assessment System for Electronic Components (IECQ) – Rules of procedure

ISO 9000, Quality management systems – Fundamentals and vocabulary

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60966-1 apply.