



# SLOVENSKI STANDARD

## SIST EN 60966-2-4:2016

01-oktober-2016

Nadomešča:  
SIST EN 60966-2-4:2009

---

**Kabelski sestavi - 2-4. del: Podrobna specifikacija za kabelske sestave za radijske in TV sprejemnike - Konektorji IEC 61169-2 za frekvenčno območje od 0 do 3 000 MHz (IEC 60966-2-4:2016)**

Cable assemblies - Part 2-4: Detail specification for cable assemblies for radio and TV receivers - Frequency range 0 MHz to 3 000 MHz, IEC 61169-2 connectors (IEC 60966-2-4:2016)

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[SIST EN 60966-2-4:2016](https://standards.iteh.ai/catalog/standards/sist/60966-2-4/2016)

[Cordons - Partie 2-4: Specification particulière relative aux cordons pour récepteurs de télévision ou radio - Plage de fréquences 0 MHz à 3 000 MHz, connecteurs IEC 61169-2](https://standards.iteh.ai/catalog/standards/sist/60966-2-4/2016)

**Ta slovenski standard je istoveten z: EN 60966-2-4:2016**

---

**ICS:**

33.120.10 Koaksialni kabli. Valovodi Coaxial cables. Waveguides

**SIST EN 60966-2-4:2016 en**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN 60966-2-4:2016

<https://standards.iteh.ai/catalog/standards/sist/fbf937a-aced-4c90-8342-399fd369771/sist-en-60966-2-4-2016>

EUROPEAN STANDARD

**EN 60966-2-4**

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2016

ICS 33.120.10

Supersedes EN 60966-2-4:2009

English Version

Radio Frequency and coaxial cable assemblies - Part 2-4: Detail  
specification for cable assemblies for radio and TV receivers -  
Frequency range 0 MHz to 3 000 MHz, IEC 61169-2  
connectors  
(IEC 60966-2-4:2016)

Cordons coaxiaux et cordons pour fréquences  
radioélectriques - Partie 2-4: Spécification particulière  
relative aux cordons pour récepteurs de télévision ou radio -  
Plage de fréquences de 0 MHz à 3 000 MHz, connecteurs  
IEC 61169-2  
(IEC 60966-2-4:2016)

Konfektionierte Koaxial- und Hochfrequenzkabel - Teil 2-4:  
Bauartspezifikation für konfektionierte Kabel für Ton- und  
Fernsehrundfunkempfänger - Frequenzbereich 0 MHz bis 3  
000 MHz, Steckverbinder nach IEC 61169-2  
(IEC 60966-2-4:2016)

**iTeh STANDARD PREVIEW**  
(standards.iteh.ai)

This European Standard was approved by CENELEC on 2016-06-22. 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.

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

<https://standards.iteh.ai/catalog/standards/sist/fb937a-aced-4c90-8342-sist-en-60966-2-4:2016>

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 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.



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**

**EN 60966-2-4:2016****European foreword**

The text of document 46/599/FDIS, future edition 4 of IEC 60966-2-4, 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 approved by CENELEC as EN 60966-2-4:2016.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-03-22
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-06-22

This document supersedes EN 60966-2-4:2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

**Endorsement notice**

The text of the International Standard IEC 60966-2-4:2016 was approved by CENELEC as a European Standard without any modification.

**iTeh STANDARD PREVIEW**  
(standards.iteh.ai)  
SIST EN 60966-2-4:2016  
<https://standards.iteh.ai/catalog/standards/sist/fbf937a-aced-4c90-8342-399fd369771/sist-en-60966-2-4-2016>

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

| <u>Publication</u> | <u>Year</u> | <u>Title</u>   | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|--|--------------|-------------|
| IEC 60728-4        | -           | Cable networks for television signals, sound signals and interactive services -- Part 4: Passive wideband equipment for coaxial cable networks   | EN 60728-4   | -           |
| IEC 60966-1        | -           | Radio frequency and coaxial cable assemblies -- Part 1: Generic specification - General requirements and test methods  | EN 60966-1   | -           |
| IEC 60966-2-1      | 2008        | Radio frequency and coaxial cable assemblies -- Part 2-1: Sectional specification for flexible coaxial cable assemblies  | EN 60966-2-1 | 2009        |
| IEC 60966-2-2      | 2003        | Radio frequency and coaxial cable assemblies -- Part 2-2: Blank detail specification for flexible coaxial cable assemblies   | EN 60966-2-2 | 2003        |
| IEC 61169-2        | -           | Radio-frequency connectors -- Part 2: Sectional specification - Radio frequency coaxial connectors of type 9,526   | EN 61169-2   | -           |
| IEC 61196-6        | -           | Coaxial communication cables Part 6: Sectional specification for CATV drop cables  | EN 61196-6   | -           |
| IEC 62153-4-7      | -           | Metallic communication cable test methods -- Part 4-7: Shielded screening attenuation test method for measuring the transfer impedance Z <sub>T</sub> and the screening attenuation a <sub>S</sub> or the coupling attenuation a <sub>C</sub> of RF-Connectors and assemblies up to and above 3 GHz, Tube in tube method | EN 62153-4-7 | -           |

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN 60966-2-4:2016

<https://standards.iteh.ai/catalog/standards/sist/fbf937a-aced-4c90-8342-399fd369771/sist-en-60966-2-4-2016>



# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Radio frequency and coaxial cable assemblies –  
Part 2-4: Detail specification for cable assemblies for radio and TV receivers –  
Frequency range 0 MHz to 3 000 MHz, IEC 61169-2 connectors**

**Cordons coaxiaux et cordons pour fréquences radioélectriques –  
Partie 2-4: Spécification particulière relative aux cordons pour récepteurs de  
télévision ou radio – Plage de fréquences de 0 MHz à 3 000 MHz, connecteurs  
IEC 61169-2**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

ICS 33.120.10

ISBN 978-2-8322-3411-2

**Warning! Make sure that you obtained this publication from an authorized distributor.  
Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.**

## CONTENTS

|                   |   |
|-------------------|---|
| FOREWORD.....     | 3 |
| INTRODUCTION..... | 5 |

## **iTeh STANDARD PREVIEW** **(standards.iteh.ai)**

[SIST EN 60966-2-4:2016](https://standards.iteh.ai/catalog/standards/sist/fb937a-aced-4c90-8342-399fd369771/sist-en-60966-2-4-2016)

<https://standards.iteh.ai/catalog/standards/sist/fb937a-aced-4c90-8342-399fd369771/sist-en-60966-2-4-2016>



## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**RADIO FREQUENCY AND COAXIAL CABLE ASSEMBLIES –****Part 2-4: Detail specification for cable  
assemblies for radio and TV receivers –  
Frequency range 0 MHz to 3 000 MHz, IEC 61169-2 connectors**

## 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 committees; 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.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 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 60966-2-4 has been prepared by IEC technical committee 46: Cables, wires, waveguides, R.F. connectors, R.F. and microwave passive components and accessories.

This fourth edition cancels and replaces the third edition published in 2009 and constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition.

- a) The return loss requirements and insertion loss requirements are matched to the relevant cables.
- b) Screening effectiveness shall be measured according to IEC 62153-4-7, triaxial method.
- c) Screening class B was cancelled.