



SLOVENSKI STANDARD

SIST EN 61196-3:2002

01-september-2002

Radio frequency cables - Part 3: Sectional specification for coaxial cables for local area networks (IEC 61196-3:1998)

Radio frequency cables -- Part 3: Sectional specification for coaxial cables for local area networks

Hochfrequenzkabel -- Teil 3: Rahmenspezifikation für Koaxialkabel für lokale Netze

iTeh STANDARD PREVIEW

Câbles pour fréquences radioélectriques -- Partie 3: Spécification intermédiaire pour câbles coaxiaux pour réseaux locaux

[SIST EN 61196-3:2002](https://standards.iteh.ai/catalog/standards/sist/151ed7fc-49ab-4d39-87c9-01405cb5edd9/sist-en-61196-3-2002)

Ta slovenski standard je istoveten z: EN 61196-3:1998

ICS:

33.120.10 Koaksialni kabli. Valovodi Coaxial cables. Waveguides

SIST EN 61196-3:2002

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61196-3

November 1998

ICS 33.120.10

Descriptors: Radio frequency cables, local area networks

English version

Radio frequency cables
Part 3: Sectional specification for coaxial cables for local area networks
(IEC 61196-3:1998)

Câbles pour fréquences radioélectriques
Partie 3: Spécification intermédiaire pour
câbles coaxiaux pour réseaux locaux
(CEI 61196-3:1998)

Hochfrequenzkabel
Teil 3: Rahmenspezifikation für
Koaxialkabel für lokale Netze
(IEC 61196-3:1998)

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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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and 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

Foreword

The text of document 46A/323/FDIS, future edition 1 of IEC 61196-3, prepared by SC 46A, Coaxial cables, of IEC TC 46, Cables, wires, waveguides, R.F. connectors, and accessories for communication and signalling, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61196-3 on 1998-10-01.

This EN 61196-3 is to be used in conjunction with IEC 61196-1:1995.

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) 1999-07-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2001-07-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

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Endorsement notice
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The text of the International Standard IEC 61196-3:1998 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

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60028	1925	International standard of resistance for copper	-	-
IEC 60050(461)	1984	International Electrotechnical Vocabulary (IEV) Chapter 461: Electric cables	-	-
IEC 60169	series	Radio-frequency connectors	EN 60169	series
IEC 60304	1982	Standard colours for insulation for low-frequency cables and wires	HD 402 S2	1984
IEC 60332-1	1993	Tests on electric cables under fire conditions Part 1: Test on a single vertical insulated wire or cable	EN 50265-1 ¹⁾	1998
IEC 61196-1	1995	Radio-frequency cables Part 1: Generic specification - General, definitions, requirements and test methods	-	-

1) The title of EN 50265-1 is: *IEC standard voltages*.

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC

61196-3

Première édition
First edition
1998-07

Câbles pour fréquences radioélectriques –

**Partie 3:
Spécification intermédiaire pour câbles coaxiaux
pour réseaux locaux**

iTeh STANDARD PREVIEW

Radio frequency cables –

**Part 3: [SIST EN 61196-3:2002](https://standards.iteh.ai/catalog/standards/sist/151ed7fc-49ab-4d39-87c9-01463658d75d/sist-en-61196-3-2002)
Sectional specification for coaxial cables
for local area networks**

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO FREQUENCY CABLES –

Part 3: Sectional specification for coaxial cables
for local area networks

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the 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, the IEC publishes International Standards. 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. The 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 the 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 National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61196-3 has been prepared by subcommittee 46A: Coaxial cables, of IEC technical committee 46: Cables, wires, waveguides, r.f. connectors and accessories for communication and signalling.

This standard shall be used in conjunction with IEC 61196-1.

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

FDIS	Report on voting
46A/323/FDIS	46A/332/RVD

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

RADIO FREQUENCY CABLES –

Part 3: Sectional specification for coaxial cables for local area networks

1 General

1.1 Scope and object

This sectional specification specifies requirements for radio frequency coaxial cables for local area networks.

The object of this sectional specification is to prescribe recommended ratings and characteristics and to select from the generic specification the appropriate quality assessment procedures, test and measuring methods, and to give general performance requirements for coaxial cables for local area networks plus complementary test methods. Test severities and requirements prescribed in detail specifications referring to this sectional specification should be of equal or higher performance levels.

When the requirements of IEC 61196-1 and of this sectional specification conflict with each other, this sectional specification shall prevail.

1.2 Normative references <http://standards.iteh.ai>

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of IEC 61196. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this part of IEC 61196 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 60028:1925, *International standard of resistance for copper*

IEC 60050(461):1994, *International Electrotechnical Vocabulary (IEV) – Chapter 461: Electric cables*

IEC 60169, *Radio-frequency connectors*

IEC 60304:1982, *Standard colours for insulation for low-frequency cables and wires*

IEC 60332-1:1993, *Tests on electric cables under fire conditions – Part 1: Test on a single vertical insulated wire or cable*

IEC 61196-1:1995, *Radio-frequency cables – Part 1: Generic specification: General, definitions, requirements and test methods*