



SLOVENSKI STANDARD SIST EN IEC 60966-3:2024

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Sestavi radiofrekvenčnih in koaksialnih kablov - 3. del: Področna specifikacija za sestave polzvijavih koaksialnih kablov (IEC 60966-3:2023)

Radio frequency and coaxial cable assemblies - Part 3: Sectional specification for semi-flexible coaxial cable assemblies (IEC 60966-3:2023)

Konfektionierte Koaxial- und Hochfrequenzkabel - Teil 3: Rahmenspezifikation für halbflexible konfektionierte Koaxialkabel (IEC 60966-3:2023)

Cordons coaxiaux et cordons pour fréquences radioélectriques - Partie 3: Spécification intermédiaire pour cordons coaxiaux semi-flexibles (IEC 60966-3:2023)

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ICS 33.120.10

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**Radio frequency and coaxial cable assemblies - Part 3:
Sectional specification for semi-flexible coaxial cable assemblies
(IEC 60966-3:2023)**

Cordons coaxiaux et cordons pour fréquences
radioélectriques - Partie 3: Spécification intermédiaire pour
cordons coaxiaux semi-flexibles
(IEC 60966-3:2023)

Konfektionierte Koaxial- und Hochfrequenzkabel - Teil 3:
Rahmenspezifikation für halbflexible konfektionierte
Koaxialkabel
(IEC 60966-3:2023)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 60966-3:2023 (E)

European foreword

The text of document 46/945/FDIS, future edition 4 of IEC 60966-3, prepared by IEC/TC 46 "Cables, wires, waveguides, RF connectors, RF and microwave passive components and accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60966-3:2023.

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) 2024-09-04
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-12-04

This document supersedes EN 60966-3:2009 and all of its amendments and corrigenda (if any).

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Endorsement notice

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where 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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-1	2013	Environmental testing - Part 1: General and guidance	EN 60068-1	2014
IEC 60966-1	2019	Radio frequency and coaxial cable assemblies - Part 1: Generic specification - General requirements and test methods	EN IEC 60966-1	2019
IEC 61169	series	Radio frequency connectors	EN 61169	series
IEC 61196-1-126	-	Coaxial communication cables - Part 1-119: Electrical test methods - Corona extinction voltage	-	-
IEC 61196-1-314	2015	Coaxial communication cables - Part 1-314: Mechanical test methods - Test for bending	-	-
IEC 61196-8	-	Coaxial communication cables - Part 8: Sectional specification for semi-flexible cables with fluoropolymer dielectric	-	-



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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

**Cordons coaxiaux et cordons pour fréquences radioélectriques –
Partie 3: Spécification intermédiaire pour cordons coaxiaux semi-flexibles**

[SIST EN IEC 60966-3:2024](https://standards.iteh.ai/catalog/standards/sist/1c330720-48b6-4c96-b056-9804f36e72db/sist-en-iec-60966-3-2024)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO FREQUENCY AND COAXIAL CABLE ASSEMBLIES –**Part 3: Sectional specification for semi-flexible coaxial cable assemblies**

FOREWORD

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

This fourth edition cancels and replaces the third edition published in 2008. This edition constitutes a technical revision.

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

- a) Added “4.3 The relative position dimensions of the interface”;
- b) Added “Figure 2”;
- c) Added “6 IEC type designation”;
- d) Modified “Figure 3”;

- e) Added “7 Rating and characteristics”;
- f) Added “Requirements/Remarks” to all the tests in Clause 8;
- g) Added some characteristics, such as insertion loss stability, intermodulation level measurement, corona extinction voltage, single bending, abrasion test of cable assembly, mechanical endurance, etc.;
- h) Rewrote test schedules;
- i) Added Annex A and Annex B.

The text of this International Standard is based on the following documents:

Draft	Report on voting
46/945/FDIS	46/957/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experiments/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 60966 series, published 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 document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.