

STN	Súbory vysokofrekvenčných a koaxiálnych káblov Časť 3-1: Predtlač podrobnej špecifikácie súborov poloohybných koaxiálnych káblov	STN EN IEC 60966-3-1 34 7720
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Radio frequency and coaxial cable assemblies - Part 3-1: Blank detail specification for semi-flexible coaxial cable assemblies

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/24

Obsahuje: EN IEC 60966-3-1:2023, IEC 60966-3-1:2023

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English Version

Radio frequency and coaxial cable assemblies - Part 3-1: Blank detail specification for semi-flexible coaxial cable assemblies (IEC 60966-3-1:2023)

Cordons coaxiaux et cordons pour fréquences radioélectriques - Partie 3-1: Spécification particulière-cadre pour cordons coaxiaux semi-flexibles (IEC 60966-3-1:2023)

Konfektionierte Koaxial- und Hochfrequenzkabel - Teil 3-1: Vordruck für Bauartspezifikation für halbflexible konfektionierte Koaxialkabel (IEC 60966-3-1:2023)

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

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EN IEC 60966-3-1:2023 (E)**European foreword**

The text of document 46/946/FDIS, future edition 4 of IEC 60966-3-1, 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 60966-3-1:2023.

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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-12-04

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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	series	Environmental testing	EN 60068	series
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 60966-3	2023	Radio frequency and coaxial cable assemblies - Part 3: Sectional specification for semi-flexible coaxial cable assemblies	EN IEC 60966-3	2023
IEC 61196-1-126	-	Coaxial communication cables - Part 1-126: Electrical test methods - Corona extinction voltage	-	-
IEC 61196-1-314	2015	Coaxial communication cables - Part 1-314: Mechanical test methods - Test for bending	-	-



IEC 60966-3-1

Edition 4.0 2023-10

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Radio frequency and coaxial cable assemblies –
Part 3-1: Blank detail specification for semi-flexible coaxial cable assemblies**

**Cordons coaxiaux et cordons pour fréquences radioélectriques –
Partie 3-1: Spécification particulière-cadre pour cordons coaxiaux semi-flexibles**





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**Radio frequency and coaxial cable assemblies –
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**Cordons coaxiaux et cordons pour fréquences radioélectriques –
Partie 3-1: Spécification particulière-cadre pour cordons coaxiaux semi-flexibles**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO FREQUENCY AND COAXIAL CABLE ASSEMBLIES –**Part 3-1: Blank detail specification for semi-flexible
coaxial cable assemblies**

FOREWORD

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IEC 60966-3-1 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 2009. This edition constitutes a technical revision.

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

- a) Added "1 Scope";
- b) Added "2 Normative references";
- c) Rewrote "4 Instructions";

- d) Added “[6] Outline for semi-flexible cable assemblies”, “[7] The relative position dimensions of the interface”, [8] Maximum diameter of semi-flexible cable;
- e) Added corona extinction voltage;
- f) Modified “[19] Value”, “[20] Remark”.

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

Draft	Report on voting
46/946/FDIS	46/962/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_experts/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.

RADIO FREQUENCY AND COAXIAL CABLE ASSEMBLIES –

Part 3-1: Blank detail specification for semi-flexible coaxial cable assemblies

1 Scope

This part of IEC 60966 is a blank detail specification that relates to semi-flexible coaxial cable assemblies operating in the transverse electromagnetic mode (TEM).

The creation of a uniform layout and style of detail specifications is determined by the use of a blank detail specification pro forma. The detail specification can be prepared by the insertion of data into the pro forma by a national organization, a manufacturer, or a user.

2 Normative references

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.

IEC 60068 (all parts), *Environmental testing*

IEC 60966-1:2019, *Radio frequency and coaxial cable assemblies – Part 1: Generic specification – General requirements and test methods*

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

IEC 61196-1-126, *Coaxial communication cables – Part 1-126: Electrical test methods – Corona extinction voltage*

IEC 61196-1-314:2015, *Coaxial communication cables – Part 1- 314: Mechanical test methods – Test for bending*

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