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Standards

Irish Standard
I.S. EN 60966-3-1:2009

Radio frequency and coaxial cable assemblies -- Part 3-1: Blank detail specification for semi-flexible coaxial cable assemblies (IEC 60966-3-1:2009 (EQV))

I.S. EN 60966-3-1:2009

Incorporating amendments/corrigenda issued since publication:

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Údarás um Chaighdeáin Náisiúnta na hÉireann

English version

**Radio frequency and coaxial cable assemblies -
Part 3-1: Blank detail specification
for semi-flexible coaxial cable assemblies
(IEC 60966-3-1:2009)**

Ensembles de cordons coaxiaux
et de cordons pour fréquences
radioélectriques -
Partie 3-1: Spécification particulière cadre
pour cordons coaxiaux semi-flexibles
(CEI 60966-3-1:2009)

Konfektionierte Koaxial-
und Hochfrequenzkabel -
Teil 3-1: Vordruck für Bauartspezifikation
für halbflexible konfektionierte
Koaxialkabel
(IEC 60966-3-1:2009)

This European Standard was approved by CENELEC on 2009-02-01. 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.

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 46/306/FDIS, future edition 3 of IEC 60966-3-1, 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 60966-3-1 on 2009-02-01.

This European Standard supersedes EN 60966-3-1:2003.

The major change with respect to EN 60966-3-1:2003 is the reference to the sectional specification EN 60966-3:2009.

This blank detail specification is to be read in conjunction with EN 60966-1:1999 and with EN 60966-3:2009.

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) 2009-11-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2012-02-01

Endorsement notice

The text of the International Standard IEC 60966-3-1:2009 was approved by CENELEC as a European Standard without any modification.

In the official version, for Reference documents, the following note has to be added for the standard indicated:

IEC 60068 NOTE Harmonized in EN 60068 series (not modified).

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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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International Standard IEC 60966-3-1 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 and constitutes a technical revision.

The major change with respect to the first edition is the reference to the third edition of the sectional specification.

This blank detail specification is to be read in conjunction with the second edition of IEC 60966-1 (1999) and with the third edition of IEC 60966-3 (2008).

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

FDIS	Report on voting
46/306/FDIS	46/318/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.

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.

INTRODUCTION

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 a detail specification is determined by the use of a blank detail specification pro forma. The detail specification may be prepared by the insertion of data into the pro forma by a national standards organization, by an approved manufacturer or by a user (when prepared by a user, the detail specification shall be submitted to the national authorized institution by an approved manufacturer).

Instructions to complete a blank detail specification:

Detail specifications should, as far as possible, be written in accordance with the pro forma which has:

- a front page with a general description and a drawing or isometric sketch of the cable assembly and its possible variants;
- ratings, characteristics and inspection requirements (those which are not required or specified shall be omitted).

Under quality assessment, tests are divided into groups. Whenever possible, entire groups are either specified or omitted.

These groups are:

Ba	(basic)	Visual and dimensional tests
Eb	(electrical basic)	Low-frequency operational tests
Eh	(electrical high frequency)	High-frequency tests
Ep	(electrical phase)	Electrical length tests
Ee	(electrical screening effectiveness)	Screening effectiveness tests
Ez	(electrical impedance Z)	Impedance uniformity tests
Et	(electrical transmission)	Power rating test
Mn	(mechanical)	Mechanical tests
Vc	(environmental climatic)	Climatic tests
Vv	(environmental vibration)	Vibration, bumps and shock tests
Vt	(environmental temperature)	Humidity, rapid change of temperature and chemical tests
Vf	(environmental flammability)	Flammability, dust and water immersion tests

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