

# INTERNATIONAL STANDARD

**IEC**  
**60966-2-6**

Second edition  
2003-03

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## **Radio frequency and coaxial cable assemblies –**

### **Part 2-6:**

**Detail specification for cable assemblies  
for radio and TV receivers - Frequency range  
0 to 3 000 MHz, IEC 61169-24 connectors**

*Ensemble de cordons coaxiaux et de cordons  
pour fréquences radioélectriques –*

### *Partie 2-6:*

*Spécification particulière pour cordons de connexion  
de récepteurs TV ou radio – Bande de fréquences  
de 0 à 3 000 MHz, connecteurs CEI 61169-24*



Reference number  
IEC 60966-2-6:2003(E)

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International Electrotechnical Commission  
Международная Электротехническая Комиссия

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# INTERNATIONAL ELECTROTECHNICAL COMMISSION

## RADIO FREQUENCY AND COAXIAL CABLE ASSEMBLIES –

### Part 2- 6: Detail specification for cable assemblies for radio and TV receivers – Frequency range 0 to 3 000 MHz, IEC 61169-24 connectors

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International Standard IEC 60966-2-6 has been prepared by subcommittee 46A: Coaxial cables, of IEC technical committee 46: Cables, wires, waveguides, r.f. connectors, r.f. and microwave passive components and accessories.

This second edition cancels and replaces the first edition published in 1998, of which it constitutes a technical revision.

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

FDIS	Report on voting
46A/510/FDIS	46A/543/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.

The committee has decided that the contents of this publication will remain unchanged until 2006. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

A bilingual version of this standard may be issued at a later date.

## INTRODUCTION

This detail specification applies to flexible coaxial cables described in IEC 60096-2. It relates to cable assemblies for radio and TV receivers, and in particular to the cable subfamily F.

This detail specification should be used together with the following IEC publications:

IEC 60966-1:1999, *Radio frequency and coaxial cable assemblies – Part 1: Generic specification – General requirements and test methods*

IEC 60966-2-1:1991, *Radio frequency and coaxial cable assemblies – Part 2-1: Sectional specification for flexible coaxial cable assemblies*

IEC 60966-2-2:1992, *Radio frequency and coaxial cable assemblies – Part 2-2: Blank detail specification for flexible coaxial cable assemblies*

IEC 61169-24:2001, *Radio frequency connectors – Part 24: Sectional specification – Radio frequency coaxial connectors with screw coupling, typically for use in 75 ohm cable distribution systems (type F)*

IEC 60410:1973, *Sampling plans and procedures for inspection by attributes*

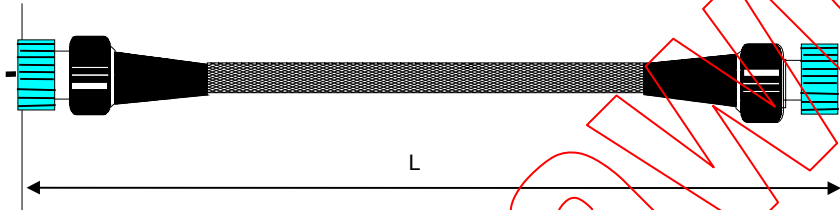
IEC 61022:1989, *Interconnection of radio and TV receivers to feeder system outlets*

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

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<div>[1] Prepared by IEC SC 46A</div>	<div>IEC</div>	<div>[2] Document No. 60966-2-6 Issue: Second issue Date: 21/03/03</div>
<div>[3] Available from: IEC 3 rue de Varembé Genève Suisse</div>	<div>[4] Generic specification: IEC 60966-1 Sectional specification: IEC 60966-2-1 Blank detail specification: IEC 60966-2-2</div>	
<div>[5] Additional references:</div>		
<div>Detail specification for coaxial cable assemblies for radio and TV receivers</div>		
<div><div>IEC 727/03</div></div>		
<div>[6]</div>		
<div>[7] Characteristic impedance: 75 Ω</div>	<div>[8] Frequency range: 0 to 3000 MHz</div>	
<div>[9] Weight: 40 g/m + 50 g (typically)</div>	<div>[10] Minimum inside radius: for static bending 25 mm for dynamic bending 75 mm</div>	
<div>[11] Climatic category: 40/70/21</div>	<div>[12] Applicable test group: Ba, Eb, Eh, Ee, Mn</div>	
<div>[13] a Connector type: IEC 61169-24 (F) Straight plug Cable type: IEC 61196-6 (under development) 75 yy or equivalent Marking: Optional Taper sleeves: On both ends (colour optional)</div>		
<div>[14] Variants</div>	<div>[15] Page 1 of 3 pages</div>	