



**SLOVENSKI STANDARD**  
**SIST EN 2591-212:2006**  
**01-julij-2006**

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Aerospace series - Elements of electrical and optical connection - Test methods - Part  
212: Surface transfer impedance

Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüverfahren -  
Teil 212: Oberflächentransferimpedanz

**iTeh STANDARD PREVIEW**

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Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais -  
Partie 212 : Impédance de transfert de surface

[SIST EN 2591-212:2006](https://standards.iteh.ai/catalog/standards/sist/db37f3bc-ceda-4b9f-ac6e-69c98ca770c/sist-en-2591-212-2006)

**Ta slovenski standard je istoveten z: EN 2591-212:2005**

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49.060

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ICS 49.060

English Version

Aerospace series - Elements of electrical and optical connection  
- Test methods - Part 212: Surface transfer impedance

Série aérospatiale - Organes de connexion électrique et  
optique - Méthodes d'essais - Partie 212 : Impédance de  
transfert de surface

Luft- und Raumfahrt - Elektrische und optische  
Verbindungselemente - Prüferfahren - Teil 212:  
Oberflächentransferimpedanz

This European Standard was approved by CEN on 19 September 2005.

CEN 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 CEN 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 CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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## Foreword

This European Standard (EN 2591-212:2005) has been prepared by the European Association of Aerospace Manufacturers - Standardization (AECMA-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2006, and conflicting national standards shall be withdrawn at the latest by April 2006.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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## 1 Scope

This standard specifies methods for measuring the surface transfer impedance and shielding effectiveness up to 1 GHz of a connector, or a connector fitted with an accessory and terminated with a cable. The purpose of the test is to ensure that the complete assembly shall have a continuous 360° shielding capability throughout its length.

This test is based on EN 60512-23-3.

## 2 Normative references

The following referenced documents are indispensable for the application 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.

EN 60512-23-3, *Electromechanical components for electronic equipment — Basic testing procedures and measuring methods — Part 23-3 : Test 23c : Shielding effectiveness of connectors and accessories (IEC 60512-23-3:2000)*

## 3 Preparation of specimens

Specimens shall be prepared in accordance with EN 60512-23-3.

## 4 Apparatus

The apparatus shall be in accordance with EN 60512-23-3.

## 5 Procedure

The test shall be carried out in accordance with EN 60512-23-3.

## 6 Requirements

The surface transfer impedance, expressed in  $m\Omega$ , or converted to shielding effectiveness expressed in dB, shall not exceed the values specified in the product standard.

## 7 Details to be specified

The following details shall be specified:

- Surface transfer impedance, outside diameter of cable screen and construction of cable, if fitted;
- The frequency range over which the measurements were carried out;
- Any limitations on the effective frequency range of the test due to resonances.