Aerospace series - Elements of electrical and optical connection - Test methods - Part 222: Insertion Loss (I.L.)

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 2591-222:2008 sisaldab Euroopa standardi EN 2591-222:2007 ingliskeelset teksti.	This Estonian standard EVS-EN 2591-222:2008 consists of the English text of the European standard EN 2591-222:2007.
Standard on kinnitatud Eesti Standardikeskuse 28.01.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 28.01.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 12.12.2007.	Date of Availability of the European standard text 12.12.2007.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

ICS 49.060

Võtmesõnad:

EUROPEAN STANDARD

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EN 2591-222

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English Version

Aerospace series - Elements of electrical and optical connection - Test methods - Part 222: Insertion Loss (I.L.)

Série aérospatiale - Organes de connexion électrique et optique - Méthodes d'essais - Partie 222 : Pertes d'insertion

Luft- und Raumfahrt - Elektrische und optische Verbindungselemente - Prüfverfahren - Teil 222: Einfügungsdämpfung

This European Standard was approved by CEN on 27 April 2006.

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 CEN Management Centre 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 CEN Management Centre has the same status as the official versions.

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

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 2591-222:2007) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-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 ASD, 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 June 2008, and conflicting national standards shall be withdrawn at the latest by June 2008.

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, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This standard specifies a measurement method of insertion loss, in the required frequency bandwidth of coax contacts or connectors with characteristic impedance.

It shall be used together with EN 2591-100.

The measurement is carried out according to vectorial method using *"S"* parameters (see definition in Annex A).

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 2591-100, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 100: General.*

3 Preparation of specimens

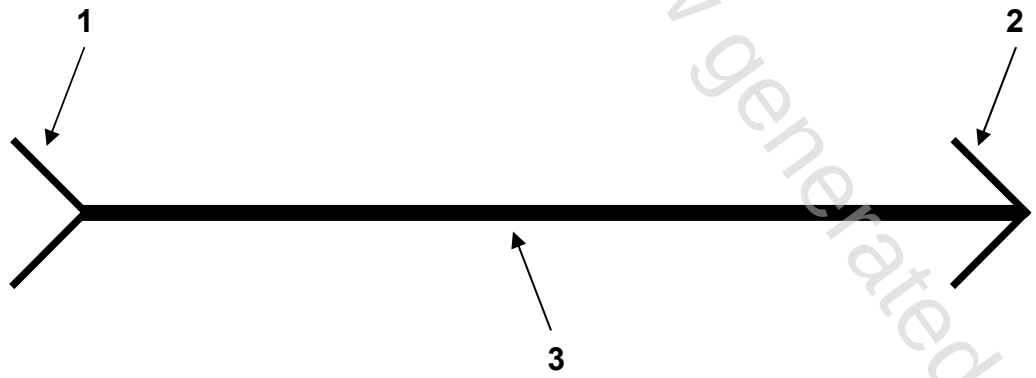
The sampling shall include, for each specified cable, a minimum of two section of coaxial cable with connector in both ends.

The first section called "Reference" is constituted as follow (see Figure 1):

— (600 ± 5) mm of coaxial cable

— 1 male coaxial connector (SMA, N or TNC type …)

— 1 female coaxial connector (SMA, N or TNC type …)



Key

1 Coaxial (Std) female connector
2 Coaxial (Std) male connector
3 Coaxial cable; Lg. = (600 ± 5) mm

Figure 1