



SLOVENSKI STANDARD
SIST EN 4604-002:2009
01-marec-2009

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Aerospace series - Cable, electrical, for signal transmission - Part 002: General

Luft- und Raumfahrt - Elektrische Leitungen für Signalübertragungen - Teil 002: Allgemeines

Série aérospatiale - Câbles électriques pour transmission de signaux - Partie 002 : Généralités

STANDARD PREVIEW
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Ta slovenski standard je istoveten z: **EN 4604-002:2006**
<https://standards.iteh.ai/catalog/standards/sist/1a050650-6678-4245-8cd6-78594eda7774/sist-en-4604-002-2009>

ICS:

49.060 Ščē\ æš Ą^•[|b\ æ Aerospace electric
 ^|\ dā} æ[]!^{\ æš Ąã c\ ã equipment and systems

SIST EN 4604-002:2009 **en,de**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 4604-002

July 2006

ICS 49.060

English Version

**Aerospace series - Cable, electrical, for signal transmission -
Part 002: General**

Série aérospatiale - Câbles électriques pour transmission
de signaux - Partie 002 : Généralités

Luft- und Raumfahrt - Elektrische Leitungen für
Signalübertragungen - Teil 002: Allgemeines

This European Standard was approved by CEN on 28 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 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

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Foreword

This European Standard (EN 4604-002:2006) 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 January 2007, and conflicting national standards shall be withdrawn at the latest by January 2007.

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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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EN 4604-002:2006 (E)

1 Scope

This standard specifies the list of product standards and common characteristics of signal transmission electrical cables for use in the on-board electrical systems of aircraft.

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 3475-100, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 100: General.*

EN 3838, *Aerospace series — Requirements and tests on user-applied markings on aircraft electrical cables.* ¹⁾

EN 4604-001, *Aerospace series — Cable, electrical, for signal transmission — Part 001: Technical specification.*

EN 4604-003, *Aerospace series — Cable, electrical, for signal transmission — Part 003: Coaxial cable 50 Ohms, 200 °C, type WZ — Product standard.* ¹⁾

EN 4604-004, *Aerospace series — Cable, electrical, for signal transmission — Part 004: Cable, microcoaxial, high immunity, 50 Ohms, 200 °C, type WS — Product standard.* ¹⁾

EN 4604-005, *Aerospace series — Cable, electrical, for signal transmission — Part 005: Cable, coaxial, 75 Ohms, 200 °C, type WL — Product standard.* ¹⁾

EN 4604-006, *Aerospace series — Cable, electrical, for signal transmission — Part 006: Cable, coaxial, 50 Ohms, 200 °C, type WM — Product standard.* ¹⁾

EN 4604-007, *Aerospace series — Cable, electrical, for signal transmission — Part 007: Cable, coaxial, 50 Ohms, 200 °C, type WN — Product standard.* ¹⁾

EN 4604-008, *Aerospace series — Cable, electrical, for signal transmission — Part 008: Cable, coaxial, 50 Ohms, 200 °C, type WD — Product standard.* ²⁾

TR 6058, *Aerospace series — Cable code identification list.* ³⁾

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 3475-100 apply.

4 List of product standards

See EN 4604-003 to EN 4604-008.

1) Published as ASD Prestandard at the date of publication of this standard.

2) In preparation at the date of publication of this standard.

3) Published as ASD Technical Report at the date of publication of this standard.

5 Materials and construction

The composition, dimensions and mass of the cable shall conform to the characteristics and values defined in the technical specification and product standards.

Colour coding: see product standard.

6 Identification and marking

The identification and marking of cables by the manufacturer shall be in accordance with EN 4604-001.

Colour of the marking: see product standard.

As the designation required for orders is generally too long for use in electrical drawings, a shorter cross designation (without colour information) is given by TR 6058.

EXAMPLE Designation: EN 4604-003 Cross reference WZ

This shorter designation is used for identification and marking as the following example (see Figure 1):

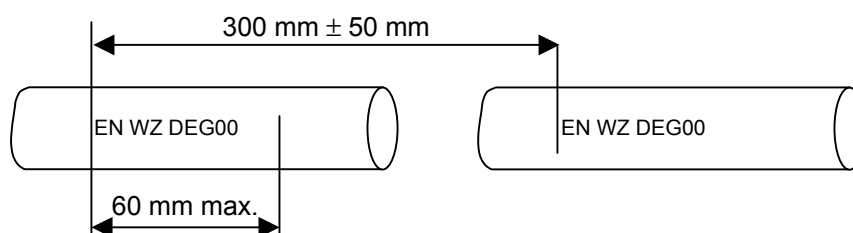
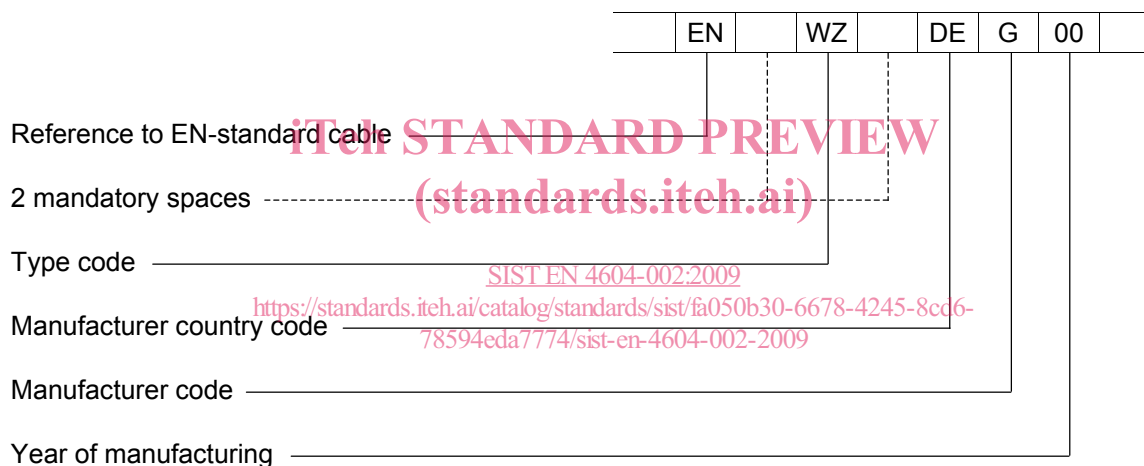


Figure 1

The cables shall be capable of being printed with the user applied markings according to EN 3838 when applicable in the product standard.

7 Technical specification

See EN 4604-001.