Aerospace series - Cable, electrical, for signal transmission - Part 007: Cable, coaxial 50 Ω, 200 °C, type WN - Product standard

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EESTI STANDARDIKESKUS

EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 4604-007:2007 sisaldab Euroopa standardi EN 4604-007:2007 ingliskeelset teksti. Käesolev dokument on jõustatud 22.11.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 4604-007:2007 consists of the English text of the European standard EN 4604-007:2007. This document is endorsed on 22.11.2007 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: This standard specifies the required characteristics of a coaxial cable, 50 Ω, type WN, for use in aircraft electrical systems at operating temperature between −55 °C and 200 °C and specially for high frequency up to 6 GHz.	**Scope:** This standard specifies the required characteristics of a coaxial cable, 50 Ω, type WN, for use in aircraft electrical systems at operating temperature between −55 °C and 200 °C and specially for high frequency up to 6 GHz.

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English Version

Aerospace series - Cable, electrical, for signal transmission - Part 007: Cable, coaxial 50 Ω, 200 °C, type WN - Product standard

Série aérospatiale - Câbles électriques pour transmission de signaux - Partie 007 : Câble coaxial, 50 Ω , 200 °C, type WN - Norme de produit

Luft- und Raumfahrt - Elektrische Leitungen für Signalübertragungen - Teil 007: Koaxialkabel, 50 Ω , 200 °C, Typ WN - Produktnorm

This European Standard was approved by CEN on 15 March 2007.

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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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN 4604-007:2007) 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 April 2008 and conflicting national standards shall be withdrawn at the latest by April 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 the required characteristics of a coaxial cable, 50 Ω, type WN, for use in aircraft electrical systems at operating temperature between −55 °C and 200 °C and especially for high frequency up to 6 GHz.

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, *Aerospace series — Cables, electrical, aircraft use — Test methods*[1)]

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

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

EN 4604-002, *Aerospace series — Cable, electrical, for signal transmission — Part 002: General*

EN 9133, *Aerospace series — Quality management systems — Qualification procedure for aerospace standard parts*

TR 6058, *Aerospace series — Cable code identification list*[2)]

ASTM B298-99, *Standard specification for silver-coated soft or annealed copper wire*[3)]

MIL-PRF-39012, *Connectors, coaxial, Radiofrequency, general specification for*[4)]

3 Terms and definitions

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

3.1
Epsilon
ε
value of dielectric constant

1) All its parts quoted in this standard.

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

3) Published by: American Society for Testing and Material (ASTM), 1916 Race Street, Philadelphia, PA 19103, USA.

4) Published by: Department of Defence (DOC), the Pentagon, Washington, D.C. 20301, USA.