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**Aeronavtika - Kabli, električni, za prenos signala - 008. del: Kabel, koaksialni, 50 ohm, 200 °C, tip WD - Standard za proizvod**

Aerospace series - Cable, electrical, for signal transmission - Part 008: Cable, coaxial, 50 ohms, 200 °C, Type WD - Product standard

Luft- und Raumfahrt - Elektrische Leitungen für Signalübertragungen - Teil 008: Koaxialkabel, 50 Ohm, 200 °C, Typ WD - Produktnorm

Série aérospatiale - Câbles électriques pour transmission de signaux - Partie 008 : Câble, coaxial, 50 ohms, 200 °C, type WD - Norme de produit

**Ta slovenski standard je istoveten z: prEN 4604-008**

[oSIST prEN 4604-008:2024](https://standards.slovenski.si/Standards/4604-008-2024)

<https://standards.slovenski.si/Standards/4604-008-2024>

**ICS:**

33.120.10	Koaksialni kabli. Valovodi	Coaxial cables. Waveguides
49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems

**oSIST prEN 4604-008:2024**

**en,fr,de**



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN 4604-008**

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ICS 49.060

Will supersede EN 4604-008:2009

English Version

**Aerospace series - Cable, electrical, for signal transmission**  
**- Part 008: Cable, coaxial, 50 ohms, 200 °C, Type WD -**  
**Product standard**

Série aérospatiale - Câbles électriques pour  
transmission de signaux - Partie 008 : Câble, coaxial, 50  
ohms, 200 °C, type WD - Norme de produit

Luft- und Raumfahrt - Elektrische Leitungen für  
Signalübertragungen - Teil 008: Koaxialkabel, 50 Ohm,  
200 °C, Typ WD - Produktnorm

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee ASD-STAN.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

**Warning** : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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<https://standards.iteh.ai/catalog/standards/sist/94f548b8-5983-46c0-a76a-1c51d7bc767e/osist-pren-4604-008-2024>

## European foreword

This document (prEN 4604-008:2024) 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 document has received the approval of the National Associations and the Official Services of the member countries of ASD-STAN, prior to its presentation to CEN.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 4604-008:2009.

prEN 4604-008:2024 includes the following significant technical changes with respect to EN 4604-008:2009:

- fully reworked and updated according to EN 3197;
- change of frequency range.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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**prEN 4604-008:2024 (E)****1 Scope**

This document specifies the required characteristics of a semi rigid coaxial cable, 50  $\Omega$ , type WD, for use in aircraft electrical systems at operating temperature between  $-55\text{ }^{\circ}\text{C}$  and  $200\text{ }^{\circ}\text{C}$  and specially for high frequency up to 6 GHz. Nevertheless, if needed,  $-65\text{ }^{\circ}\text{C}$  is also acceptable as shown by thermal stability test.

**2 Normative references**

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 3197, *Aerospace series — Design and installation of aircraft electrical and optical interconnection systems*

EN 3475-100<sup>1</sup>, *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*

IEC 60096-0-1, *Radio frequency cables — Guidelines to the design of detail specifications — Coaxial cables*

ASTM B298-99<sup>2</sup>, *Standard Specification for Silver-Coated Soft or Annealed Copper Wire*

TR 6058<sup>3</sup>, *Aerospace series — Cable code and identification list*

**3 Terms and definitions**

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

ISO and IEC maintain terminology databases for use in standardization at the following addresses: <https://www.iso.org/obp/>

— ISO Online browsing platform: available at <https://www.iso.org/obp/>

— IEC Electropedia: available at <https://www.electropedia.org/>

**3.1  
epsilon**

$\epsilon$   
value of dielectric constant

Note 1 to entry: See EN 4604-001

<sup>1</sup> And all parts quoted in this document.

<sup>2</sup> Published by: American Society for Testing and Materials (ASTM), 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428-2959 USA.

<sup>3</sup> Published as ASD STAN Technical Report at the date of publication of this document by Aerospace and Defence Industries Association of Europe – Standardization (ASD STAN) <https://asd-stan.org/>.