
Aeronavtika - Električni kabli za splošno uporabo - Delovne temperature med -55 °C in 260 °C - 012. del: Družina DZ, enožilni kabli z možnostjo UV-laserskega tiskanja za uporabo v nizkotlačni atmosferi - Standard za proizvod

Aerospace series - Cables, electrical, for general purpose - Operating temperatures between -65 °C and 260 °C - Part 012: DZ family, single UV laser printable for use in low pressure atmosphere - Product standard

Luft- und Raumfahrt - Leitungen, elektrisch, für allgemeine Verwendung - Betriebstemperaturen zwischen -65 °C und 260 °C - Teil 012: DZ-Familie, einadrige Leitungen, UV-Laser-bedruckbar, zur Anwendung bei niedrigem Luftdruck - Produktnorm

Série aérospatiale - Câbles, électriques, d'usage général - Températures de fonctionnement comprises entre -65 °C et 260 °C - Partie 012 : Famille DZ, fil simple marquable par laser UV pour emploi en basse pression - Norme de produit

<https://standards.itc.ch.ai/catalog/standards/sist/e683b6c0-c864-4a52-8e45-ee4f875cb011/sist-en-2267-012-2024>

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EUROPEAN STANDARD

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**Aerospace series - Cables, electrical, for general purpose -
Operating temperatures between -65 °C and 260 °C - Part
012: DZ family, single UV laser printable for use in low
pressure atmosphere - Product standard**

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zwischen -65 °C und 260 °C - Teil 012: DZ-Familie,
einadrige Leitungen, UV-Laser-bedruckbar, zur
Anwendung bei niedrigem Luftdruck - Produktnorm

This European Standard was approved by CEN on 16 July 2023.

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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-CENELEC Management Centre has the same status as the official versions.

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European foreword

This document (EN 2267-012:2023) 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 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2024, and conflicting national standards shall be withdrawn at the latest by June 2024.

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

This document supersedes EN 2267-012:2015.

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EN 2267-012:2023 (E)**1 Scope**

This document specifies the characteristics of UV laser printable electrical wires DZ family for use in the on board:

- 115 VAC (phase to neutral) or 200 VAC (phase to phase) electrical network of aircraft;
- 230 VAC (phase to neutral) or 400 VAC (phase to phase) electrical network of aircraft and particularly use in non-pressurized areas.

This cable family is used at operating temperature between -65 °C and 260 °C. These cables are demonstrated to be arc resistant for both networks (115 VAC and 230 VAC).

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 2084:2018, *Aerospace series — Cables, electrical, general purpose, with conductors in copper or copper alloy — Technical specification*

EN 2267-002, *Aerospace series — Cables, electrical, for general purpose — Operating temperatures between -55 °C and 260 °C — Part 002: General*

EN 3475-100:2010, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 100: General*

EN 3475-201, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 201: Visual examination*

EN 3475-202, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 202: Mass*

EN 3475-203, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 203: Dimensions*

EN 3475-301, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 301: Ohmic resistance per unit length*

EN 3475-302, *Aerospace series — Cable, electrical, aircraft use — Test methods — Part 302: Voltage proof test*

EN 3475-303, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 303: Insulation resistance*

EN 3475-304, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 304: Surface resistance*

EN 3475-305, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 305: Overload resistance*

EN 3475-306, *Aerospace series — Cables, electrical, aircraft use — Test methods — Part 306: Continuity of conductors*