

STN	Letectvo a kozmonautika Elektrické káble na prenos digitálnych údajov Časť 008: Jednoducho opletený kábel, krížová štvorka 100 ohmov, typ KD Norma na výrobok	STN EN 3375-008 31 1845
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Aerospace series - Cable, electrical, for digital data transmission - Part 008: Single braid - Star Quad 100 Ohms - Type KD - Product standard

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/24

Obsahuje: EN 3375-008:2024

Oznámením tejto normy sa ruší
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EUROPEAN STANDARD

EN 3375-008

NORME EUROPÉENNE

EUROPÄISCHE NORM

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Supersedes EN 3375-008:2009

English Version

**Aerospace series - Cable, electrical, for digital data
transmission - Part 008: Single braid - Star Quad 100 Ohms
- Type KD - Product standard**

Série aérospatiale - Câbles électriques pour
transmission de données numériques - Partie 008 :
Simple tresse - Quarte en étoile 100 ohms - Type KD -
Norme de produit

Luft- und Raumfahrt - Elektrische Leitungen für
Digitaldatenübertragungen - Teil 008: Einfach
geschirmt - Quad 100 Ohm - Typ KD - Produktnorm

This European Standard was approved by CEN on 12 June 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 COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

EN 3375-008:2024 (E)

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European foreword

This document (EN 3375-008:2024) has been prepared by 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 August 2024, and conflicting national standards shall be withdrawn at the latest by August 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 3375-008:2009.

The main changes with respect to the previous edition are listed in the following table.

Table 1 — Main changes to previous edition

prEN/EN number	Edition	Publication date	Modification	Reason and validation
prEN 3375-008	P1	2008-01-31	§1 SCOPE: Added sentences “The cable resists a long-term temperature between -65 °C and $+200\text{ °C}$. Moreover, cable materials are compatible with 200 °C peak exposure.”	Add complementary information about $T\text{ °C}$ compatibility regarding environment and cable materials.
			§5 TESTS: Table 4, EN 3475-402: Change from “Applicable $T = (125 \pm 5)\text{ °C}$ Shrinking of the insulation = 0,8 mm max.” to “Not Applicable” on Component (samples from finished cable)	Harmonization with AIRBUS ABS1503 specification
			§5 TESTS: Table 4, EN 3475-403: Change from “Applicable $T = (125 \pm 5)\text{ °C}$ Mandrel $\varnothing = 20\text{ mm}$ ” to “Not Applicable” on Component (samples from finished cable)	Harmonization with AIRBUS ABS1503 specification

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According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this document: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

1 Scope

This document specifies the dimensions, tolerances, required characteristics and the mass of an AWG 24 shielded quad cable, type KD, intended for high speed (100 Mbit/s) full duplex Ethernet networks.

Linked to this particular application, the operating temperatures of the cable are between -65 °C and 125 °C .

The cable resists a long-term temperature between -65 °C and $+200\text{ °C}$.

Moreover, cable materials are compatible with 200 °C peak exposure.

This cable is laser markable, this marking satisfies the requirements of EN 3838.

The characteristics impedance is $(100 \pm 15)\ \Omega$.

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 3375-001, *Aerospace series — Cable, electrical, for digital data transmission — Part 001: Technical specification*

EN 3375-002, *Aerospace series — Cable, electrical, for digital data transmission — Part 002: General*

EN 3475-*, *Aerospace series — Cables, electrical, aircraft use — Test methods*

TR 6058,¹ *Aerospace series — Cable code identification list*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

* All parts quoted in Table 4 of this document.

¹ Published as ASD-STAN Technical Report at the date of publication of this document by ASD-STAN, <https://www.asd-stan.org/>.