



NSAI
Standards

Irish Standard
I.S. EN 3375-008:2009

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

I.S. EN 3375-008:2009

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EUROPEAN STANDARD

EN 3375-008

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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

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Foreword

This document (EN 3375-008:2009) 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of an identical text or by endorsement, at the latest by September 2009, and conflicting national standards shall be withdrawn at the latest by September 2009.

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1 Scope

This standard 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.

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

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

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 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*. ¹⁾

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

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

3 Terms and definitions

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

4 Required characteristics

4.1 Configuration, dimensions, tolerances and mass

The configuration, dimensions and tolerances shall be in accordance with Figure 1 and Table 1.

Mass: ≤ 41 kg/km.

Dimensions are in millimetres.

* All parts quoted in Table 3.

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

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

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