



BSI Standards Publication

Aerospace series — Cable, electrical, for digital data transmission

Part 012: Single braid — Star Quad 100 ohms — 260 °C — Type KH — Product standard

National foreword

This British Standard is the UK implementation of EN 3375-012:2013.

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A list of organizations represented on this committee can be obtained on request to its secretary.

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Quad 100 Ohm - 260 °C - Typ KH - Produktnorm

This European Standard was approved by CEN on 28 September 2013.

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Foreword

This document (EN 3375-012:2013) 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of an identical text or by endorsement, at the latest by June 2014, and conflicting national standards shall be withdrawn at the latest by June 2014.

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1 Scope

This European Standard specifies the dimensions, tolerances, required characteristics and the mass of an AWG 24 shielded quad cable, type KH, 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 260 °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 documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 3475-100 (all parts), *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*

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

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

3 Terms and definitions

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

1) Published as ASD-STAN Technical Report at the date of publication of this standard. <http://www.asd-stan.org/>