

Aerospace series — Thermocouple extension cable — Operating temperatures between — 65 °C to 260 °C —

Part 001: Technical specification

The European Standard EN 4049-001:2006 has the status of a British Standard

ICS 49.060

National foreword

This British Standard was published by BSI. It is the UK implementation of EN 4049-001:2006.

The UK participation in its preparation was entrusted by Technical Committee ACE/6, Aerospace avionic electrical and fibre optic technology, to Panel ACE/6/-/2, Aerospace — Cables.

A list of organizations represented on ACE/6/-/2 can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 March 2007

© BSI 2007

ISBN 978 0 580 50315 3

Amendments issued since publication

Amd. No.	Date	Comments

English Version

**Aerospace series - Thermocouple extension cable - Operating
temperatures between - 65 °C to 260 °C - Part 001: Technical
specification**

Série aérospatiale - Câbles, thermocouple - Températures
de fonctionnement comprises entre - 65 °C et 260 °C -
Partie 001 : Spécification technique

Luft- und Raumfahrt - Thermoelement Ausgleichsleitung -
Betriebstemperaturen zwischen - 65 °C to 260 °C - Teil
001: Technische Lieferbedingungen

This European Standard was approved by CEN on 28 October 2005.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Definitions	4
4 Materials and construction	4
4.1 Conductors.....	4
4.2 Materials	5
4.3 Construction of the cables	5
4.3.1 General.....	5
4.3.2 Cable lay	5
4.3.3 Screened cables.....	5
5 Required characteristics	6
6 Tests method.....	7
7 Quality assurance	9
7.1 Qualification	9
7.1.1 General requirements.....	9
7.1.2 Qualification conditions	9
7.1.3 Qualification tests	10
7.1.4 Extension of qualification	10
7.2 Acceptance tests	10
7.2.1 Required conditions	10
7.2.2 Production routine tests	10
7.2.3 Tests prior to delivery	10
7.2.4 Periodic tests	10
8 Identification marking	11
9 Packaging, labelling and delivery length	11
9.1 Packaging and labelling.....	11
9.2 Delivery length	11

Foreword

This document (EN 4049-001:2006) 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 2007, and conflicting national standards shall be withdrawn at the latest by June 2007.

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

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