

|            |   |                                   |
|------------|---|-----------------------------------|
| <b>STN</b> | <p><b>Letectvo a kozmonautika<br/>Inštalácia elektrických kálov<br/>Ochranné manžety<br/>Skúšobné metódy<br/>Časť 309: Požiarna odolnosť manžety<br/>nainštalovanej na zväzku kálov</b></p> | <p><b>STN<br/>EN 6059-309</b></p> |
|            |   | 31 1832                           |

Aerospace series - Electrical cables, installation - Protection sleeves - Test methods - Part 309: Fire resistance when fitted on a cable bundle

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. 01/19

Obsahuje: EN 6059-309:2018

**127892**

**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN 6059-309**

August 2018

ICS 13.220.40; 49.060

English Version

**Aerospace series - Electrical cables, installation -  
 Protection sleeves - Test methods - Part 309: Fire  
 resistance when fitted on a cable bundle**

Série aérospatiale - Câbles électriques, installation -  
 Gaines de protection - Méthodes d'essais - Partie 309 :  
 Résistance au feu une fois installée sur un toron des  
 câbles

Luft- und Raumfahrt - Elektrische Leitungen,  
 Installation - Schutzschläuche - Prüfverfahren - Teil  
 309: Feuerbeständigkeit wenn um Kabelbündel  
 installiert

This European Standard was approved by CEN on 6 November 2017.

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

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



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

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

**Contents**

|   | Page     |
|---|----------|
| <b>European foreword .....</b>          | <b>3</b> |
| <b>1 Scope.....</b>                     | <b>4</b> |
| <b>2 Normative references.....</b>      | <b>4</b> |
| <b>3 Terms and definitions .....</b>    | <b>4</b> |
| <b>4 Specimen composition .....</b>     | <b>4</b> |
| <b>5 Preparation of specimens .....</b> | <b>5</b> |
| <b>6 Apparatus.....</b>                 | <b>7</b> |
| <b>7 Method .....</b>                   | <b>7</b> |
| <b>8 Procedure .....</b>                | <b>8</b> |
| <b>9 Requirements .....</b>             | <b>8</b> |

## **European foreword**

This document (EN 6059-309:2018) 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 February 2019, and conflicting national standards shall be withdrawn at the latest by February 2019.

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.

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

## 1 Scope

This European Standard specifies a method of testing the fire resistance of wire harnesses protected with fire resistant sleeve for aerospace application.

## 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 3909, *Aerospace series — Test fluids and test methods for electrical and optical components and sub-assemblies*

ISO 2685:1998, *Aircraft — Environmental test procedure for airborne equipment — Resistance to fire in designated fire zones*

koniec náhľadu – text ďalej pokračuje v platnej verzii STN