



**Irish Standard**  
**I.S. EN 50399:2022**

**Version 1.00**

**Common test methods for cables under fire conditions - Heat release and smoke production measurement on cables during flame spread test - Test apparatus, procedures, results**

## I.S. EN 50399:2022 V1.00

### The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

NSAI/... xxx: A National adoption of a Technical Regulation (TR), Technical Specification (TS), CEN and/or CENELEC Workshop Agreement (CWA).

I.S. EN 50399:2022 V1.00 was published under the authority of the NSAI and came into effect on: 2022-09-18

ICS number(s): 13.220.40, 29.060.20

NSAI  
1 Swift Square  
Northwood, Santry  
Dublin 9  
D09 A0E4  
+353 1 807 3800  
standards@nsai.ie  
[NSAI.ie](https://www.nsa.ie)

Sales  
+353 1 857 6730  
[Standards.ie](https://www.nsa.ie)

Údarás um Chaighdeán Náisiúnta na hÉireann

## **National Foreword**

I.S. EN 50399:2022 V1.00 is the version of the NSAI adopted European document EN 50399:2022, *Common test methods for cables under fire conditions - Heat release and smoke production measurement on cables during flame spread test - Test apparatus, procedures, results*, including any Corrections, Amendments etc. to EN 50399:2022.

This normative document by CEN/CENELEC the elaboration of which includes a public enquiry, followed by a Formal Vote of CEN/CENELEC national members and final ratification. This European Standard is published as an identical national standard and every conflicting national standard will be withdrawn. The content of a European Standard does not conflict with the content of any other EN (and HD for CENELEC).

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

For relationships with other publications refer to the NSAI web store.

**Compliance with this document does not of its self confer immunity from legal obligations.**

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.
---

This page intentionally left blank

EUROPEAN STANDARD

**EN 50399**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2022

ICS 13.220.40; 29.060.20

Supersedes EN 50399:2011; EN 50399:2011/A1:2016

English Version

## Common test methods for cables under fire conditions - Heat release and smoke production measurement on cables during flame spread test - Test apparatus, procedures, results

Méthodes d'essai communes aux câbles soumis au feu -  
Mesure de la chaleur et de la fumée dégagées par les  
câbles au cours de l'essai de propagation de la flamme -  
Appareillage d'essai, procédure et résultats

Allgemeine Prüfverfahren für das Verhalten von Kabeln und  
isolierten Leitungen im Brandfall - Messung der  
Wärmefreisetzung und Raucherzeugung während der  
Prüfung der Flammenausbreitung - Prüfeinrichtung,  
Prüfverfahren und Prüfergebnis

This European Standard was approved by CENELEC on 2022-08-08. CENELEC 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 CENELEC 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 CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.



European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
  - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-