



NSAI
Standards

Irish Standard
I.S. EN 4674-001:2017

Aerospace series - Electrical cables, installation - Self-wrapping shielding (EMI) protective sleeve - Part 001: Technical specification

I.S. EN 4674-001:2017

Incorporating amendments/corrigenda/National Annexes issued since publication:

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.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:

EN 4674-001:2017

Published:

2017-03-22

*This document was published
under the authority of the NSAI
and comes into effect on:*

2017-04-09

ICS number:

49.060

NOTE: If blank see CEN/CENELEC cover page

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

National Foreword

I.S. EN 4674-001:2017 is the adopted Irish version of the European Document EN 4674-001:2017, Aerospace series - Electrical cables, installation - Self-wrapping shielding (EMI) protective sleeve - Part 001: Technical specification

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 itself confer immunity from legal obligations.

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

This page is intentionally left blank

EUROPEAN STANDARD

EN 4674-001

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2017

ICS 49.060

Supersedes EN 4674-001:2015

English Version

**Aerospace series - Electrical cables, installation - Self-wrapping shielding (EMI) protective sleeve - Part 001:
Technical specification**

Série aérospatiale - Câbles électriques, installation -
Gaine de protection blindée (EMI) auto-fermable -
Partie 001 : Spécification technique

Luft- und Raumfahrt - Elektrische Leitungen,
Installation - Selbstschließend abschirmender (EMI)
Schutzschlauch - Teil 001: Technische
Lieferbedingungen

This European Standard was approved by CEN on 2 January 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: Avenue Marnix 17, B-1000 Brussels

Contents	Page
European foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms, definitions and symbols.....	5
4 Description	5
5 Design	6
6 Definition drawings and mass.....	9
7 Test methods	10
8 Quality assurance.....	16
9 Example for designation in product standards.....	16
10 Delivery conditions	16
11 Packaging	16
12 Marking.....	16
13 Storage	16

European foreword

This document (EN 4674-001:2017) 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 2017, and conflicting national standards shall be withdrawn at the latest by September 2017.

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.

This document supersedes EN 4674-001:2015.

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 the United Kingdom.

EN 4674-001:2017 (E)

1 Scope

This European Standard specifies the general characteristics, qualification and acceptance requirements for self-wrapping shielding (EMI) protective sleeve designed for EMI shielding of cable and cable bundles for aerospace applications.

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 2267-010, *Aerospace series — Cables, electrical, for general purpose — Operating temperatures between - 55 °C and 260 °C — Part 010: DR family, single UV laser printable — Product standard*

EN 2591-214, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 214: Lightning strike, current and voltage pulse*

EN 2591-307, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 307: Salt mist*

EN 2825, *Aerospace series — Burning behaviour of non metallic materials under the influence of radiating heat and flames — Determination of smoke density*

EN 2826, *Aerospace series — Burning behaviour of non metallic materials under the influence of radiating heat and flames — Determination of gas components in the smoke*

EN 3197, *Aerospace series — Design and installation of aircraft electrical and optical interconnection systems*

EN 3475, *Aerospace series — Cables, electrical, aircraft use — Test methods* ¹⁾

EN 3844-1, *Aerospace series — Flammability of non metallic materials — Part 1: Small burner test, vertical — Determination of the vertical flame propagation*

EN 4674-002, *Aerospace series — Electrical cables, installation — Self-wrapping shielding (EMI) protective sleeve — Part 002: General and list of product standard*

EN 4674-003, *Aerospace series — Electrical cables, installation — Self-wrapping shielding (EMI) protective sleeve — Part 003: Open sleeve — Inside pressurized area — EMI protection 5 kA — Temperature range - 65 °C to 200 °C — Product standard*

EN 4674-004, *Aerospace series — Electrical cables, installation — Self-wrapping shielding (EMI) protective sleeve — Part 004: Open sleeve — Outside pressurized area — EMI protection 10 kA — Temperature range - 65 °C to 200 °C — Product standard*

¹⁾ All its parts quoted in this European Standard.

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
-