



NSAI
Standards

Irish Standard
I.S. EN 50602:2014

Generic cabling systems -- Specification for
the testing of balanced communication
cabling in accordance with EN 50173-4 --
Unscreened straight patch cords and straight
work area cords for class E applications --
Detail specification

I.S. EN 50602:2014

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 50602:2014

Published:

2014-02-07

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

2014-02-18

ICS number:

33.120.10

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

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50602

February 2014

ICS 33.120.10

English version

**Generic cabling systems -
Specification for the testing of balanced communication cabling in
accordance with EN 50173-4 -
Unscreened straight patch cords and straight work area cords for class E
applications -
Detail specification**

Systèmes de câblage générique -
Spécification relative aux essais de
câblage de télécommunications
symétriques selon l'EN 50173-4 -
Cordons droits de brassage et cordons
droits de zone de travail non écrantés
pour les applications de classe E -
Spécification particulière

Anwendungsneutrale
Kommunikationsverkabelung -
Spezifikation zur Prüfung der
symmetrischen
Kommunikationsverkabelung nach EN
50173-4 -
Ungeschirmte gerade Schnüre und
Geräteanschlusskabel für Anwendungen
der Klasse E -
Bauartspezifikation

This European Standard was approved by CENELEC on 2013-09-23. 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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

CENELEC

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels

Contents	Page
Foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	5
4 Detail specification for unscreened cords for Class E channels	6

Foreword

This document (EN 50602:2014) has been prepared by CLC/TC 46X "Communication cables".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2014-09-23
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2016-09-23

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

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association.

1 Scope

This detail specification describes straight unscreened patch cords and patch cords and application-specific cords enabling the construction of Class E channels as defined in the EN 50173 series of standards.

This detail specification describes cords of which the transmission characteristics are up to 250 MHz for digital communication. The test configuration is detailed in EN 61935-2.

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 50173-4, *Information technology — Generic cabling systems — Part 4: Homes*

EN 50288-1, *Multi-element metallic cables used in analogue and digital communication and control — Part 1: Generic specification*

EN 50288-6-2, *Multi-element metallic cables used in analogue and digital communication and control — Part 6-2: Sectional specification for unscreened cables characterised up to 250 MHz — Work area and patch cord cables*

EN 50289-1-13, *Communication cables — Specifications for test methods — Part 1-13: Electrical test methods — Coupling attenuation or screening attenuation of patch cords / coaxial cable assemblies / pre-connectorised cables*

EN 50289-4-17, *Communication cables — Specifications for test methods — Part 4-17: Test methods for UV resistance evaluation of the sheath of electrical and optical fibre cable*

EN 60603-7-4, *Connectors for electronic equipment — Part 7-4: Detail specification for 8-way, unshielded, free and fixed connectors, for data transmissions with frequencies up to 250 MHz (IEC 60603-7-4)*

EN 60794-1-2, *Optical fibre cables — Part 1-2: Generic specification — Basic optical cable test procedures (IEC 60794-1-2)*

EN 61935-2-2010, *Testing of balanced communication cabling in accordance with standards series EN 50173 — Part 2: Patch cords and work area cords (IEC 61935-2:2010)*

EN 61935-2-20, *Testing of balanced communication cabling in accordance with series EN 50173 — Part 2-20: Patch cords and work area cords — Blank detail specification for class D applications (IEC 61935-2-20)*

EN 62012-1:2002, *Multicore and symmetrical pair/quad cables for digital communications to be used in harsh environments — Part 1: Generic specification (IEC 62012-1:2002)*

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
-