



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 62153-1-1:2004

ICS 33.100
33.120.10

METALLIC COMMUNICATION CABLES TEST

METHODS

PART 1-1: ELECTRICAL - MEASUREMENT OF

THE PULSE/STEP RETURN LOSS IN THE

FREQUENCY DOMAIN USING THE INVERSE

DISCRETE FOURIER TRANSFORMATION

(IDFT)

(IEC 62153-1-1:2003)

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Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

EN 62153-1-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2004

ICS 33.100; 33.120.10

English version

Metallic communication cables test methods
Part 1-1: Electrical –
Measurement of the pulse/step return loss in the frequency domain
using the Inverse Discrete Fourier Transformation (IDFT)
(IEC 62153-1-1:2003)

Méthodes d'essai des câbles métalliques
de communication
Partie 1-1: Electrique –
Mesure de la perte par réflexions
à une impulsion/échelon dans le domaine
fréquentiel en utilisant la Transformée
Inverse de Fourier Discrète (TIFD)
(CEI 62153-1-1:2003)

Prüfverfahren für metallische
Kommunikationskabel
Teil 1-1: Impuls-/Sprungreflexion aus
der Messung im Frequenzbereich über
inverse diskrete Fouriertransformation
(IDFT)
(IEC 62153-1-1:2003)

This European Standard was approved by CENELEC on 2003-12-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 46A/559/FDIS, future edition 1 of IEC 62153-1-1, prepared by SC 46A, Coaxial cables, of IEC TC 46, Cables, wires, waveguides, r.f. connectors, r.f. and microwave passive components and accessories, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62153-1-1 on 2003-12-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2004-09-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2006-12-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62153-1-1:2003 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050	Série	International Electrotechnical Vocabulary (IEV)	-	-
IEC 61156-1	2002	Multicore and symmetrical pair/quad cables for digital communications Part 1: Generic specification	-	-
IEC 61196-1	1995	Radio-frequency cables Part 1: Generic specification - General, definitions, requirements and test methods	-	-
A1	1999		-	-

**NORME
INTERNATIONALE
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STANDARD**

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IEC**

62153-1-1

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First edition
2003-10

**Méthodes d'essai des câbles métalliques
de communication –**

Partie 1-1:

**Electrique – Mesure de la perte par réflexions
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de Fourier Discrète (TIFD)**

Metallic communication cables test methods –

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return loss in the frequency domain using the
Inverse Discrete Fourier Transformation (IDFT)**



Numéro de référence
Reference number
CEI/IEC 62153-1-1:2003

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