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National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 50288-4-2:2003

ICS 33.120.20

MULTI-ELEMENT METALLIC CABLES USED IN ANALOGUE AND DIGITAL COMMUNICATION AND CONTROL

PART 4-2: SECTIONAL SPECIFICATION FOR SCREENED CABLES CHARACTERISED UP TO 600 MHZ -

WORK AREA AND PATCH CORD CABLES

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This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on:

January 9, 2004

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50288-4-2

December 2003

ICS 33.120.20

Supersedes EN 50288-4-2:2001

English version

Multi-element metallic cables used in analogue and digital communication and control Part 4-2: Sectional specification for screened cables characterised up to 600 MHz - Work area and patch cord cables

Câbles métalliques à éléments multiples utilisés pour les transmissions et les commandes analogiques et numériques
Partie 4-2: Spécification intermédiaire pour les câbles blindés pour applications jusqu'à 600 MHz - Câbles de zone de travail et de brassage

Mehradrige metallische Daten- und Kontrollkabel für analoge und digitale Übertragung
Teil 4-2: Rahmenspezifikation für geschirmte Kabel bis 600 MHz - Geräteanschlußkabel und Schaltkabel

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CENELEC

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

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Ref. No. EN 50288-4-2:2003 E

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Foreword

This European Standard was prepared by SC 46XC, Multicore, Multipair and Quad Data communication cables, of Technical Committee CENELEC TC 46X, Communication cables.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50288-4-2 on 2003-10-01.

This European Standard supersedes EN 50288-4-2:2001

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) 2004-10-01

- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2006-10-01

This Part 4-2 is to be read in conjunction to EN 50288-1.

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Contents

Page

1 Scope 4

2 Normative references 4

3 Definitions 4

4 Cable construction 4

4.1 Conductor 4

4.2 Insulation 5

4.3 Cabling elements 5

4.4 Identification of cabling elements 5

4.5 Screening of cabling elements 5

4.6 Cable make-up 5

4.7 Filling compound 5

4.8 Interstitial fillers 5

4.9 Screening of the cable core 5

4.10 Moisture barriers 5

4.11 Wrapping layers 5

4.12 Sheath 5

5 Tests and requirements for completed cables 6

5.1 Electrical tests 6

5.2 Mechanical tests 8

5.3 Environmental tests 9

5.4 Fire performance tests 9

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1 Scope

This sectional specification covers screened cables, characterised up to 600 MHz, to be used as work area cables to connect a telecommunications outlet to the terminal equipment and for patch cord cables to establish connections on a patch panel as defined in EN 50173. Work area cables may also be used as patch cord cables in any distributor of a generic building wiring system to interconnect with equipment or to cross-connect between cabling systems.

The electrical, mechanical, transmission and environmental performance characteristics of the screened cables, related to their reference test methods, are detailed.

This sectional specification is to be read in conjunction with EN 50288-1 which contains the essential provisions for its application.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the cited publications are listed hereafter. For dated references, subsequent amendments to or revisions of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the cited publication applies, together with any amendments.

EN 50173		Information technology - Generic cabling systems
EN 50288-1		Multi-element metallic cables used in analogue and digital communication and control - Part 1: Generic specification
EN 50289	Series	Communication cables - Specifications for test methods
EN 50290	Series	Communication cables
IEC 60189-2		Low-frequency cables and wires with PVC insulation and PVC sheath - Part 2: Cables in pairs, triples, quads and quintuples for inside installations

3 Definitions

For the purposes of this European Standard the definitions of EN 50288-1 apply.

4 Cable construction

4.1 Conductor

The conductor shall be solid or stranded copper and meet the requirements of 4.1 of EN 50288-1.

The stranded conductor shall consist of seven wires each with a nominal diameter of ≥ 0,12 mm to ≤ 0,21 mm.

The solid conductor nominal diameter shall be ≥ 0,4 mm to ≤ 0,8 mm.

The conductor shall be plain or metal coated.

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