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National Standards Authority of Ireland
Údarás um Chaighdeáin Náisiúnta na hÉireann

IRISH STANDARD

I.S. EN 50377-3-1:2008

ICS 33.180.20

"CONNECTOR SETS AND INTERCONNECT COMPONENTS TO BE USED IN OPTICAL FIBRE COMMUNICATION SYSTEMS - PRODUCT SPECIFICATIONS -- PART 3-1: TYPE SG TERMINATED ON IEC 60793-2-10 CATEGORY A1A, A1B OR EQUIVALENT MULTIMODE FIBRE FOR CATEGORY C"

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Price Code I

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50377-3-1

March 2008

ICS 33.180.20

Supersedes EN 50377-3-1:2001

English version

Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications - Part 3-1: Type SG terminated on IEC 60793-2-10 category A1a, A1b or equivalent multimode fibre for category C

Jeux de connecteurs et composants d'interconnexion à utiliser dans les systèmes de communication par fibres optiques - Spécifications de produits - Partie 3-1: Type SG, reliés à des fibres multimodales des catégories A1a, A1b ou équivalent de la CEI 60793-2-10 pour usage en catégorie C

Steckverbindersätze und Verbindungsbauelemente für Lichtwellenleiter-Datenübertragungssysteme - Produktnormen - Teil 3-1: Bauart SG zum Anschluss an Mehrmodenfasern der Kategorien A1a, A1b oder dergleichen nach IEC 60793-2-10 für Kategorie C

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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.

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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

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Ref. No. EN 50377-3-1:2008 E

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Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 86BXA, Fibre optic interconnect, passive and connectorised components.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50377-3-1 on 2007-12-01.

This European Standard supersedes EN 50377-3-1:2001.

This document is updated to include the performance of the adaptor, and patch cord next to the pigtailed connector as defined in the previous version. It also includes latest attenuation and return loss grades as specified in IEC.

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)	2008-12-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2010-12-01

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Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications

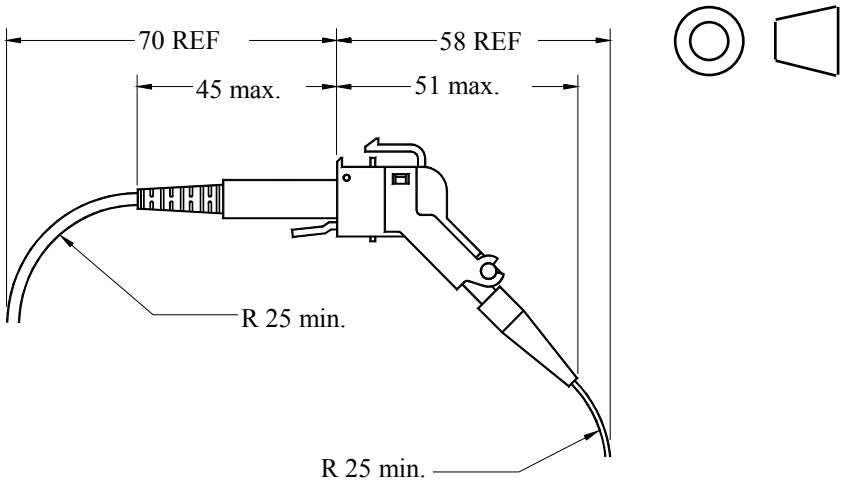
Part 3-1: Type SG terminated on IEC 60793-2-10 category A1a, A1b or equivalent multimode fibre for category C

Description		Performance	
Coupling mechanism:	Latched push-pull	Application:	For use in an IEC category C environment
Configuration:	Plug/socket	Attenuation grade: (random mate)	M: ≤ 0,75 dB 95 % ≤ 0,5 dB Mean ≤ 0,35 dB
Fibre category:	EN 60793-2-10 Types A1a & A1b		
Cable type:	See Table 2	Return loss grade: (random mate)	R: ≥ 20 dB

Related documents:

EN 50173	Information technology - Generic cabling systems
EN 60793-2	Optical fibres - Part 2: Product specifications - General (IEC 60793-2)
EN 60794-2	Optical fibre cables - Part 2: Indoor cables - Sectional specification (IEC 60794-2)
EN 61300 series	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures (IEC 61300 series)
EN 61753-1	Fibre optic interconnecting devices and passive components performance standard - Part 1: General and guidance for performance standards (IEC 61753-1)
EN 61753-022-2	Fibre optic interconnecting devices and passive components performance standard - Part 022-2: Fibre optic connectors terminated on multimode fibre for category C - Controlled environment (IEC 61753-022-2)
EN 186000-1	Generic Specification: Connector sets for optical fibres and cables - Part 1: Requirements, test methods and qualification approval procedures
ISO/IEC 11801	Information technology - Generic cabling for customers premises

Outline and maximum dimensions:



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Contents

1 Scope 6
1.1 Product definition 6
1.2 Intermateability 6
1.3 Operating environment 6
1.4 Reliability 6
1.5 Quality assurance 6
2 Normative references 6
3 Description 7
3.1 Plug 7
3.2 Socket 8
3.3 Materials 8
3.4 Dimensions 8
3.5 Colour and marking 8
4 Variants 8
4.1 Terminated plug 8
4.2 Terminated socket 9
4.3 Identification of variants 9
5 Dimensional requirements 10
5.1 Outline dimensions 10
5.1.1 Plug variants 10
5.1.2 Socket variants 11
5.2 Mating face and other limit dimensions 12
5.2.1 Plug 12
5.2.2 Detail A: Plug fibre endtip geometry after termination 14
5.2.3 Socket 15
5.2.4 Detail B: Socket fibre endtip geometry after termination 17
6 Tests 17
6.1 Sample size 17
6.2 Test and measurement methods 18
6.3 Test sequence 18
6.4 Pass/fail criteria 18
7 Test report 18
8 Testing requirements 18
8.1 Dimensional requirements 18
8.2 Optical performance requirements 19
8.3 Mechanical performance requirements 20
8.4 Environmental performance requirements 23
Annex A (normative) Sample size and product sourcing requirements 26
Bibliography 27

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