Irish Standard
I.S. EN 50411-6-1:2011

Fibre organisers and closures to be used in optical fibre communication systems - Product specifications -- Part 6-1: Unprotected microduct for category S and A

I.S. EN 50411-6-1:2011

Incorporating amendments/corrigenda issued since publication:

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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

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EUROPEAN STANDARD

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EN 50411-6-1

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English version

Fibre organisers and closures to be used in optical fibre communication systems - Product specifications - Part 6-1: Unprotected microduct for category S and A

LWL-Spleißkassetten und -Muffen für die Anwendung in LWL-Kommunikationssystemen - Produktnormen - Teil 6-1: Ungeschützte Mikrorohre für die Kategorien S und A

This European Standard was approved by CENELEC on 2011-03-21. 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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

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Foreword

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

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50411-6-1 on 2011-03-21.

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)	2012-03-21
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2014-03-21

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1 Scope

Product definition

This specification contains the initial, start of life dimensional, mechanical and environmental performance requirements which an unprotected microduct must meet. It does not address the installation capability of these products which must be agreed between the user and supplier.

Operating environment

The tests selected combined with the severities and duration are representative of an outside plant for subterranean and/or aerial environment defined by:

— ETS 300 019 : class 8.1: underground locations (without earthquake requirement)

— EN 61753-1 : category S: subterranean environment, category A: aerial environment

Quality assurance

Compliance with this specification does not guarantee the manufacturing consistency of the product. This should be maintained using a recognised quality assurance programme.

Allowed product types

This standard covers all European Standard on optical fibre unprotected microducts. This includes, but is not limited to, EN 60794-5, *Optical fibre cables - Part 5: Sectional specification - Microduct cabling for installation by blowing*.

Allowed microduct connector types

This microduct standard allows the use of all European Standard on microduct connectors, including: straight, reducer/enlarger stem, reducer/enlarger, close down, liquid block, liquid block with barb end, and end stop connectors. This includes EN 50411-2-8, *Fibre organisers and closures to be used in optical fibre communication systems - Product specifications - Part 2-8: Microduct connectors, for air blown optical fibres, Type 1*.

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 60793-1-51 Optical fibres - Part 1-51: Measurement methods and test procedures - Dry heat (IEC 60793-1-51)

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

EN 61300-2-34 Part 2-34: Tests - Resistance to solvents and contaminating fluids of interconnecting components and closures (IEC 61300-2-34)

EN 61300-3-1 Part 3-1: Examinations and measurements - Visual examination (IEC 61300-2-31)