Irish Standard
I.S. EN 50377-7-4:2011

Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications -- Part 7-4: LC-PC simplex terminated on IEC 60793-2-50 category B1.1 and B1.3 singlemode fibre with full zirconia ferrule for category C

I.S. EN 50377-7-4:2011

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SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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English version

Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications - Part 7-4: LC-PC simplex terminated on IEC 60793-2-50 category B1.1 and B1.3 singlemode fibre with full zirconia ferrule for category C

Jeux de connecteurs et composants d'interconnexion à utiliser dans les systèmes de communication par fibres optiques – Spécifications de produits - Partie 7-4: Type simplex LC-PC câblé sur une fibre unimodale des catégories B1.1 et B1.3 de la CEI 60793-2-50, avec férule en zircone, catégorie C

Steckverbindersätze und Verbindungsbauelemente für Lichtwellenleiter-Datenübertragungssysteme - Produktnormen - Teil 7-4: Bauart LC-PC-Simplex zum Anschluss an Einmodenfasern der Kategorien B1.1 und B1.3 nach IEC 60793-2-50 mit Zirkoniumdioxyd-Ferrule für die Kategorie C

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CENELEC

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

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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 formal vote and was approved by CENELEC as EN 50377-7-4 on 2011-01-02.

This document supersedes EN 50377-7-4:2004.

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.

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

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)	2012-01-02
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2012-01-02

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

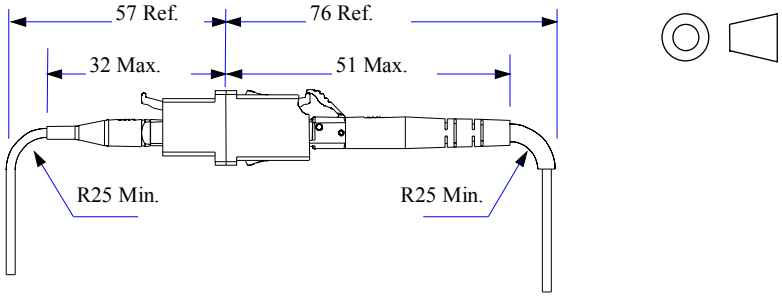
Part 7-4: LC-PC simplex terminated on IEC 60793-2-50 singlemode category B1.1 and B1.3 singlemode fibre with full zirconia ferrule for category C

Description		Performance	
Coupling mechanism:	Latch push-pull	Application:	EN 61753-1:2007, category C (controlled environment)
Configuration:	Plug / adaptor / plug	Attenuation grade: (random mate)	B: ≤ 0,12 dB mean ≤ 0,25 dB for ≥ 97 % of measurements
Fibre category:	EN 60793-2-50 Types B1.1 and B1.3		C: ≤ 0,25 dB mean ≤ 0,50 dB for ≥ 97 % of measurements
Cable type:	See Table 3	Return loss grade: (random mate)	2: ≥ 45 dB

Related documents:

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 61754-20	Fibre optic connector interfaces – Part 20: Type LC connector family (IEC 61754-20)
ETSI TS 100 671	Transmission and Multiplexing (TM); Passive optical components; Optical fibre connectors for single-mode optical fibre communication systems; Common requirements and conformance testing
ETSI EN 300 019 series	Environmental Engineering (EE) – Environmental conditions and environmental tests for telecommunications equipment

Outline and maximum dimensions:



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