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

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

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

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EUROPEAN STANDARD

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English version

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

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

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

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CENELEC

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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 50377-4-4 on 2011-01-02.

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– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2014-01-02

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

Part 4-4: Type SC-PC simplex terminated on IEC 60793-2-50 category B1.1 and B1.3 singlemode fibre, with full zirconia ferrule category U

Description		Performance	
Coupling mechanism:	Push-pull	Application:	For use in EN category U (Uncontrolled 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 grades: (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)

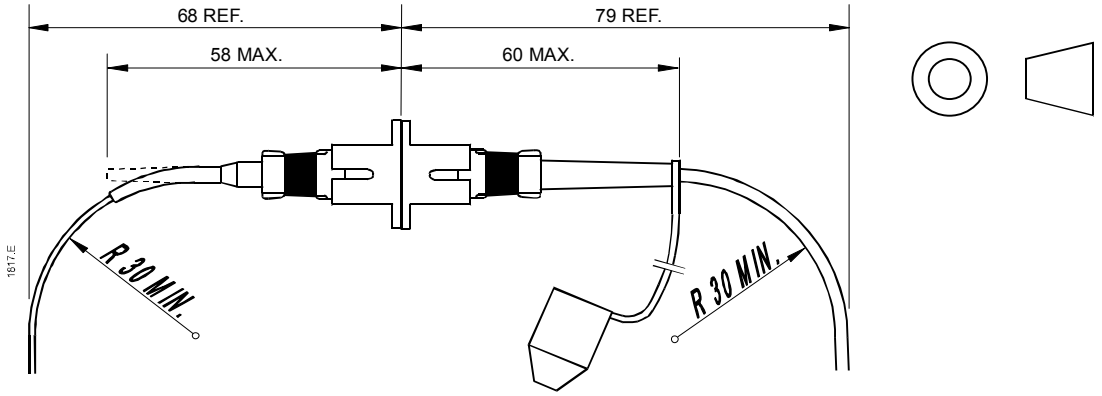
EN 61754-4, *Fibre optic connector interfaces – Part 4: Type SC connector family* (IEC 61754-4)

EN 61755-1, *Fibre optic connector optical interfaces – Part 1: Optical interfaces for single mode non-dispersion shifted fibres – General and guidance* (IEC 61755-1)

EN 61755-3-1, *Fibre optic connector optical interfaces – Part 3-1: Optical interface, 2,5 mm and 1,25 mm diameter cylindrical full zirconia PC ferrule, single mode fibre* (IEC 61755-3-1)

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*

Outline and maximum dimensions:



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