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IRISH STANDARD

I.S. EN 50377-11-1:2008

ICS 33.180.20

CONNECTOR SETS AND INTERCONNECT COMPONENTS TO BE USED IN OPTICAL FIBRE COMMUNICATION SYSTEMS - PRODUCT SPECIFICATIONS -- PART 11-1: TYPE MF TERMINATED ON IEC 60793-2-50 CATEGORY B1.1 AND B1.3 SINGLEMODE FIBRE FOR CATEGORY C

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This Irish Standard was published under the authority of the National Standards Authority of Ireland and comes into effect on:
10 April 2008

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 50377-11-1

February 2008

ICS 33.180.20

English version

Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications - Part 11-1: Type MF terminated on IEC 60793-2-50 category B1.1 and B1.3 singlemode fibre for category C

Jeux de connecteurs et composants d'interconnexion à utiliser dans les systèmes de communication par fibres optiques - Spécifications de produit - Partie 11-1: Type MF raccordé sur une fibre unimodale des catégories B1.1 et B1.3 de la CEI 60793-2-50 pour la catégorie C

Steckverbindersätze und Verbindungsbauelemente für Lichtwellenleiter-Datenübertragungssysteme - Produktnormen - Teil 11-1: Bauart MF zum Anschluss an Einmodenfasern der Kategorien B1.1 und B1.3 nach IEC 60793-2-50 für 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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Ref. No. EN 50377-11-1:2008 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 50377-11-1 on 2007-09-01.

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)	2008-09-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2010-09-01

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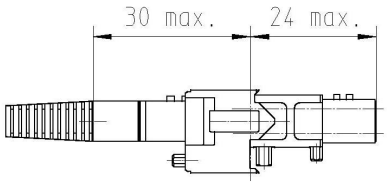
Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications

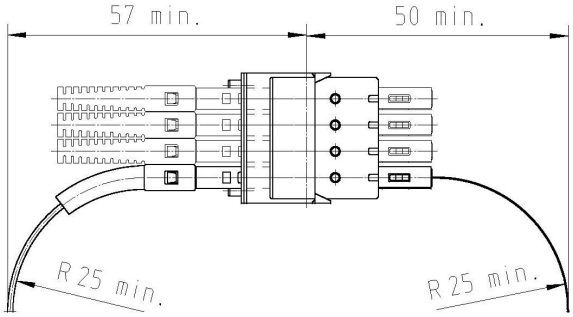
Part 11-1: Type MF terminated on IEC 60793-2-50 category B1.1 and B1.3 singlemode fibre for category C

Description		Performance	
Coupling mechanism:	back plane	Application:	For use backplane application (test severities derived from IEC cat C)
Configuration:	plug and socket	Attenuation grades: (Random mated)	B: ≤ 0,12 dB mean ≤ 0,25 dB for > 97 % of measurements
Fibre Category:	EN 60793-2-50 type 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:	2: ≥ 45 dB

Related documents:

EN 50173	Information technology – Generic cabling systems
EN 60794-2-30	Optical fibre cables – Part 2-30: Indoor cables – Family specification for optical fibre ribbon cables (IEC 60794-2-30)
EN 61300 series	Fibre optic interconnecting devices and passive components – Basic test and measurement procedures (IEC 61300 series)
EN 60793-2	Optical fibres – Part 2: Product specifications – General (IEC 60793-2)
EN 61753-1	Fibre optic interconnecting devices and passive components performance standard – Part 1: General and guidance for performance standards (IEC 61753-1)
EN 61754-5	Fibre optic connector interfaces – Part 5: Type MT connector family (IEC 61754-5)
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 61755-3-3[1)]	Fibre optic connector optical interfaces – Part 3-3: Optical interface angled PC endface rectangular ferrule, single mode fibres (IEC 61755-3-3)





[1)] At draft stage.

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