



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 50377-6-2:2007

ICS 33.180.20

**CONNECTOR SETS AND INTERCONNECT
COMPONENTS TO BE USED IN OPTICAL
FIBRE COMMUNICATION SYSTEMS -
PRODUCT SPECIFICATIONS -- PART 6-2:
SC-RJ SINGLE MODE TERMINATED ON IEC
60793-2-50 CATEGORY B1.1 AND B1.3
SINGLEMODE FIBRE, CATEGORY U**

National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
<http://www.nsai.ie>

Sales

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EUROPEAN STANDARD
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EN 50377-6-2

August 2007

ICS 33.180.20

Supersedes EN 50377-6-2:2004

English version

**Connector sets and interconnect components
to be used in optical fibre communication systems -
Product specifications -
Part 6-2: SC-RJ single mode terminated on IEC 60793-2-50
category B1.1 and B1.3 singlemode fibre, category U**

Jeux de connecteurs et composants
d'interconnexion à utiliser
dans les systèmes de communication
par fibres optiques -
Spécifications de produit -
Partie 6-2: Type SC-RJ câblé
sur une fibre unimodale des catégories
B1.1 et B1.3 de la CEI 60793-2-50,
catégorie U

Steckverbindersätze
und Verbindungselemente
für Lichtwellenleiter-
Datenübertragungssysteme -
Produktnormen -
Teil 6-2: Bauart SC-RJ zum Anschluss an
Einmodenfasern der Typen B1.1 und B1.3
nach IEC 60793-2-50 für die Kategorie U

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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

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 50377-6-2 on 2007-03-01.

This European Standard supersedes EN 50377-6-2:2004.

This document is updated to include the performance of the adaptor, and patchcord next to the pigtailed connector as defined in the previous version. It also includes latest attenuation and return loss grades as specified in EN 61755 series.

CENELEC draws attention to the fact that it is claimed that compliance with this document may involve the use of a patent concerning SC-RJ connectors.

CENELEC takes no position concerning the evidence, validity and scope of this patent right.

The holder of this patent right has assured CENELEC Technical Committee TC 86BXA that he/she is willing to negotiate licenses under reasonable and non-discriminatory terms and conditions with applicants throughout Europe. In this respect, the statement of the holder of this patent right is registered with the IEC. Information may be obtained from:

Reichle & De-Massari AG
Intellectual Property Department
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8622 Wetzikon
Switzerland

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) | 2008-03-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2010-03-01 |

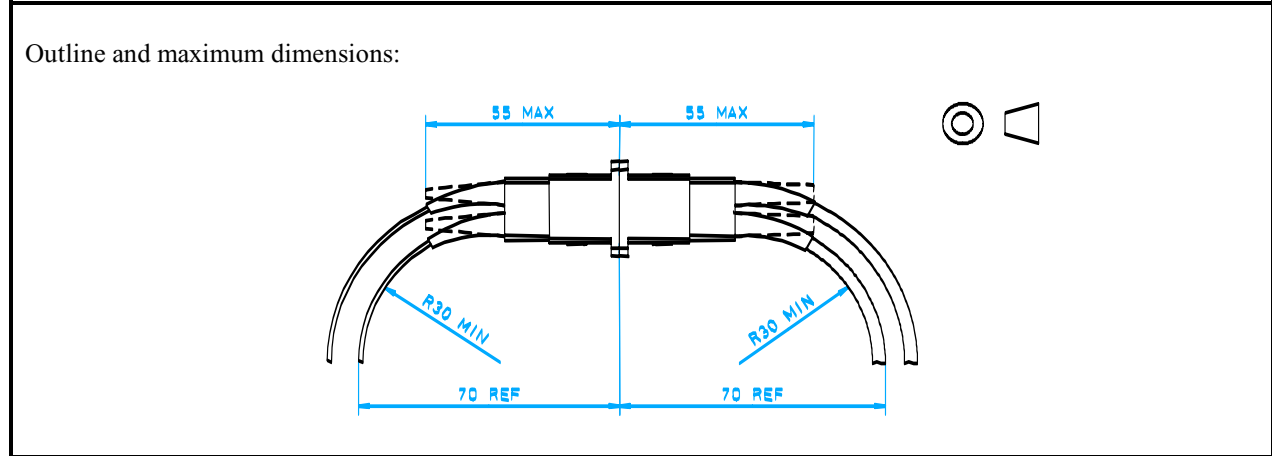
Connector sets and interconnect components to be used in optical fibre communication systems - Product specifications

Part 6-2: SC-RJ single mode terminated on IEC 60793-2-50 category B1.1 and B1.3 singlemode fibre, category U

Coupling mechanism:	Description Push-pull	Application:	Performance For the use in EN category U (uncontrolled environment)
Configuration:	Plug/adaptor/plug	Attenuation grades (random mate):	B: $\leq 0,12$ dB mean $\leq 0,25$ dB for ≥ 97 % of measurements
Fibre category:	EN 60793-2-50 Types B1.1 and B1.3		C: $\leq 0,25$ dB mean $\leq 0,50$ dB for ≥ 97 % of measurements
Cable type:	See Table 3	Return loss grades:	2: ≥ 45 dB (mated)

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 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, mod.)
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
IEC 61754-24 ¹⁾	Fibre optic connector interfaces - Part 24: Type SC-RJ connector family



¹⁾ At draft stage.

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