



National Standards Authority of Ireland

STANDARD

**I.S. EN 50377-9-2:2004**

ICS 33.180.20

**CONNECTORS SETS AND INTERCONNECT  
COMPONENTS TO BE USED IN OPTICAL  
FIBRE COMMUNICATION SYSTEMS -  
PRODUCT SPECIFICATIONS, PART 9-2: TYPE  
MT-RJ TERMINATED ON IEC 60793-2  
CATEGORY B1.1 SINGLEMODE FIBRE**

National Standards  
Authority of Ireland  
Dublin 9  
Ireland

Tel: (01) 807 3800  
Tel: (01) 807 3838

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EUROPEAN STANDARD

**EN 50377-9-2**

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2004

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ICS 33.180.20

English version

**Connector sets and interconnect components to be used  
in optical fibre communication systems –  
Product specifications  
Part 9-2: Type MT-RJ terminated on IEC 60793-2 category B1.1  
singlemode fibre**

Jeux de connecteurs et composants  
d'interconnexion à utiliser dans les  
systèmes de communication par fibres  
optiques –  
Spécifications de produits  
Partie 9-2: Type MT-RJ câblé sur  
une fibre unimodale de la catégorie B1.1  
selon la CEI 60793-2

Steckverbindersätze und Verbindungs-  
bauelemente für Lichtwellenleiter-  
Datenübertragungssysteme –  
Produktnormen  
Teil 9-2: Bauart MT-RJ zum Anschluss  
an Einmodenfasern der Kategorie B1.1  
nach IEC 60793-2

This European Standard was approved by CENELEC on 2003-11-01. 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.

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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**

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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 50377-9-2 on 2003-11-01.

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) 2004-11-01
  - latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2006-11-01
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**Connector sets and interconnection components to be used in optical fibre communication systems - Product specifications – Part 2-9: Type MT-RJ terminated on IEC 60793-2 category B1.1 singlemode fibre**

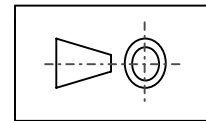
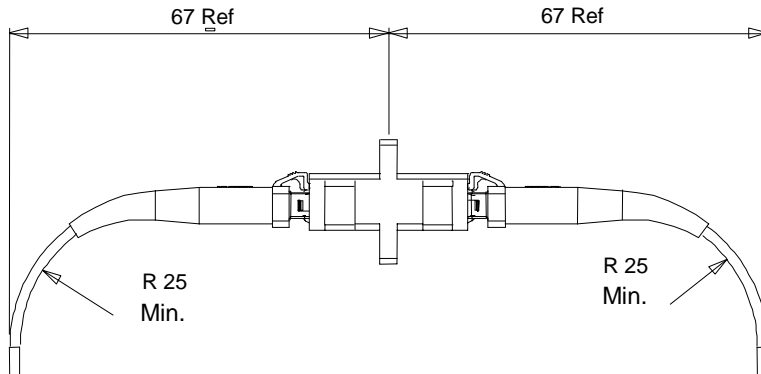
**Part 9-2: Type MT-RJ terminated on IEC 60793-2 category B1.1 singlemode fibre**

Description		Application:	Performance
Coupling mechanism:	latched push-pull		Customer premises IEC category C
Configuration:	plug/adaptor/plug	Attenuation grades: (Random mate) Grade P	97 % < 1,00 dB Mean ≤ 0,35 dB
Fibre category: T	IEC 60793-2 Type B1	Return loss grade:	T ≥ 35 dB
Cable type:	See Table 2		

Normative references:

EN 50173	Information technology - Generic cabling systems
EN 60793-2	Optical fibres - Part 2: Product specification
EN 61300 Series	Basic test and measurement procedures
ISO/IEC IS11801	Information technology - Generic cabling for customer premises
IEC 60794-2	Optical fibre cables - Part 2: Product specifications
IEC 61753-1	Performance standard - Part 1: General and guidance
IEC 61753-3-3	Performance standard - Part 3-3: Fibre optic connectors terminated on multimode fibre category C controlled environment
IEC 61754-18	Fibre optic connector interfaces - Part 18: Type the MT_RJ family

Outline and maximum dimensions:



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