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Standards

Irish Standard
I.S. EN 61754-34:2016

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 34: Type URM connector family

I.S. EN 61754-34:2016

Incorporating amendments/corrigenda/National Annexes issued since publication:

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National Foreword

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EUROPEAN STANDARD

EN 61754-34

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2016

ICS 33.180.20

English Version

Fibre optic interconnecting devices and passive components -
Fibre optic connector interfaces -
Part 34: Type URM connector family
(IEC 61754-34:2016)

Dispositifs d'interconnexion et composants passifs fibroniques -
Interfaces de connecteurs fibroniques -
Partie 34: Famille de connecteurs de type URM
(IEC 61754-34:2016)

Lichtwellenleiter - Verbindungselemente und passive Bauteile -
Steckgesichter von Lichtwellenleiter-Steckverbindern -
Teil 34: Steckverbinderfamilie der Bauart URM
(IEC 61754-34:2016)

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EN 61754-34:2016

European foreword

The text of document 86B/3966/CDV, future edition 1 of IEC 61754-34, prepared by SC 86B "Fibre optic interconnecting devices and passive components" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61754-34:2016.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-07-31
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IEC 60793-2-50	NOTE	Harmonized as EN 60793-2-50.
ISO 1101	NOTE	Harmonized as EN ISO 1101.
ISO 8015	NOTE	Harmonized as EN ISO 8015.

Annex ZA (normative)

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NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60794-2-50	-	Optical fibre cables - Part 2-50: Indoor cables - Family specification for simplex and duplex cables for use in terminated cable assemblies	EN 60794-2-50	-
IEC 61754-1	-	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 1: General and guidance	EN 61754-1	-
IEC 61755-3	series	Fibre optic interconnecting devices and passive components - Connector optical interfaces	EN 61755-3	series

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IEC 61754-34

Edition 1.0 2016-09

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Fibre optic interconnecting devices and passive components – Fibre optic
connector interfaces –
Part 34: Type URM connector family**

**Dispositifs d'interconnexion et composants passifs fibroniques – Interfaces de
connecteurs fibroniques –
Partie 34: Famille de connecteurs de type URM**





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INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces –
Part 34: Type URM connector family**

**Dispositifs d'interconnexion et composants passifs fibroniques – Interfaces de connecteurs fibroniques –
Partie 34: Famille de connecteurs de type URM**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC INTERCONNECTING
DEVICES AND PASSIVE COMPONENTS –
FIBRE OPTIC CONNECTOR INTERFACES –**

Part 34: Type URM connector family

FOREWORD

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International Standard IEC 61754-34 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

The text of this standard is based on the following documents:

CDV	Report on voting
86B/3966/CDV	86B/3999A/RVC

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 61754 series, published under the general title *Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces*, can be found on the IEC website.

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INTRODUCTION

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FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – FIBRE OPTIC CONNECTOR INTERFACES –

Part 34: Type URM connector family

1 Scope

This part of IEC 61754 defines the standard interface dimensions for the type URM family of connectors.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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IEC 61754-1, *Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 1: General and guidance*

IEC 61755-3 (all parts), *Fibre optic interconnecting devices and passive components – Connector optical interfaces*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

4 Description

The parent connector for the type URM connector family is a duplex connector set of plug/adaptor/plug configuration which is characterized by a 1,25 mm nominal diameter ferrule. The plug connector includes two spring loaded ferrules in the direction of the optical axis. The plug also has a single male key, which may be used to orientate and limit the relative position between the connector and the adaptor to which it is mated. The optical alignment mechanism of the connectors is a resilient sleeve. Drawings and dimensions provided consist of those minimum features that are functionally critical during the mating and unmating sequences of the plug with its adaptor counterpart component.

5 Interfaces

General requirements defined in IEC 61754-1 shall be used for this document.

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