



SLOVENSKI STANDARD
SIST EN 61754-6:1999/A2:2005
01-november-2005

Spojni vmesniki optičnih vlaken – 6. del: Družina konektorjev tipa MU (IEC 61754-6:1997/A2:2004)

Fibre optic connector interfaces -- Part 6: Type MU connector family

Steckgesichter von Lichtwellenleiter-Steckverbindern -- Teil 6: Bauart MU Steckverbinderfamilie

Interfaces de connecteurs pour fibres optiques -- Partie 6: Famille de connecteurs de type MU

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Ta slovenski standard je istoveten z: EN 61754-6:1997/A2:2005

ICS:

33.180.20	Povezovalne naprave za optična vlakna	Fibre optic interconnecting devices
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SIST EN 61754-6:1999/A2:2005 **en**

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EUROPEAN STANDARD

EN 61754-6/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2005

ICS 33.180.20

English version

Fibre optic connector interfaces
Part 6: Type MU connector family
(IEC 61754-6:1997/A2:2004)

Interfaces de connecteurs
pour fibres optiques
Partie 6: Famille de connecteurs
de type MU
(CEI 61754-6:1997/A2:2004)

Steckgesichter von Lichtwellenleiter-
Steckverbindern
Teil 6: Bauart MU Steckverbinderfamilie
(IEC 61754-6:1997/A2:2004)

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This amendment A2 modifies the European Standard EN 61754-6:1997; it was approved by CENELEC on 2004-12-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration. <https://standards.iteh.ai/catalog/standards/sist/9bbf51cd-ebde-44a0-ab54-404d23bc2a8f/sist-en-61754-6-1999-a2-2005>

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

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

The text of document 86B/2014/FDIS, future amendment 2 to IEC 61754-6:1997, 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 was approved by CENELEC as amendment A2 to EN 61754-6:1997 on 2004-12-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2005-09-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2007-12-01

Endorsement notice

The text of amendment 2:2004 to the International Standard IEC 61754-6:1997 was approved by CENELEC as an amendment to the European Standard without any modification.

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NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC

61754-6

1997

AMENDEMENT 2
AMENDMENT 2
2004-11

Amendement 2

**Interfaces de connecteurs
pour fibres optiques –**

**Partie 6:
Famille de connecteurs de type MU**
(standards.iteh.ai)

Amendment 2
<https://standards.iteh.ai/catalog/standards/sist/9bbf51cd-ebde-44a0-ab54-404d23bc2e8f/sist-en-61754-6-1999-a2-2005>

Fibre optic connector interfaces –

**Part 6:
Type MU connector family**

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International Electrotechnical Commission, 3, rue de Varembé, PO Box 131, CH-1211 Geneva 20, Switzerland
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: inmail@iec.ch Web: www.iec.ch



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

N

*Pour prix, voir catalogue en vigueur
For price, see current catalogue*

FOREWORD

This amendment has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

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

FDIS	RVD
86B/2014/FDIS	86B/2030/RVD

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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3 Interfaces <https://standards.iteh.ai/catalog/standards/sist/9bbf51cd-ebde-44a0-ab54-404d23bc2a8f/sist-en-61754-6-1999-a2-2005>

Add, at the end of the list of standard interfaces, the following new interfaces¹⁾:

Interface 6-16: Simplex plug connector interface – push/pull, APC 8 degrees

Interface 6-17: 4,5 mm duplex plug connector interface – push/pull, APC 8 degrees

Interface 6-18: 6,25 mm duplex plug connector interface – push/pull, APC 8 degrees

Add, on page 8, the following new Clause 4:

4 MU angled PC connector interfaces

This clause defines the standard interfaces for simplex and duplex plugs that have ferrules with endfaces polished spherically at an angle (rather than perpendicularly) which are oriented to the connector key, and are termed angled PC or APC. The standard interfaces contained in this clause are the following:

- interface 6-16: simplex plug connector interface – push/pull, APC 8 degrees;
- interface 6-17: 4,5 mm duplex plug connector interface – push/pull, APC 8 degrees;
- interface 6-18: 6,25 mm duplex plug connector interface – push/pull, APC 8 degrees.

¹⁾ Please note that interfaces 6-14 and 6-15 are defined in IEC 61754-6-1.

The simplex and duplex plugs of interfaces 6-16, 6-17 and 6-18 have ferrules with an endface polished spherically at an angle of their polished endface, and the nomenclature is angled PC or APC.

The following standard interfaces are intermateable. It shall be noted however that in order to obtain the designated optical performance, any plug shall be connected to a counterpart plug whose ferrule end is polished to the same condition.

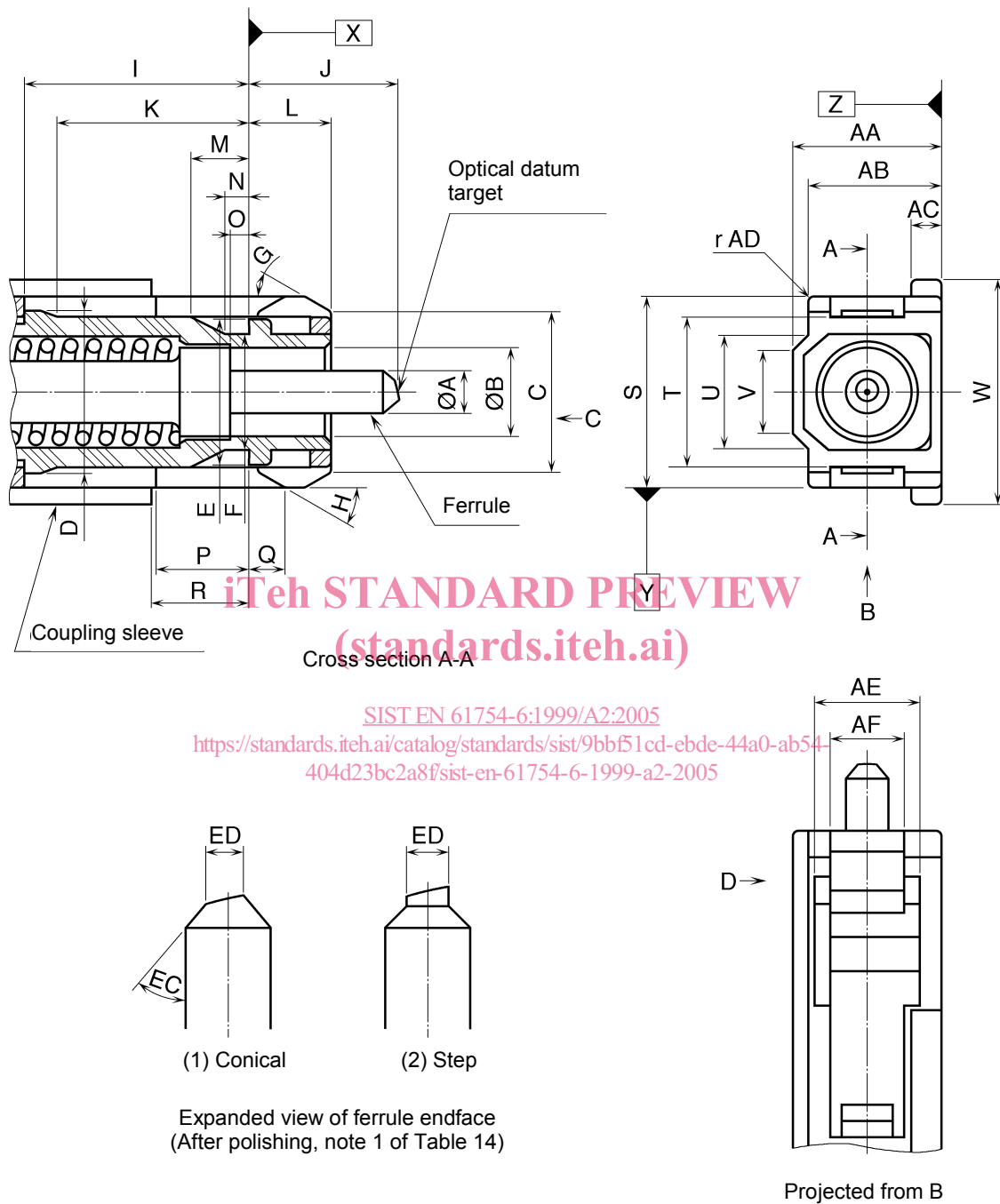
Plugs	Adaptor		
	Interface 6-3	Interface 6-4	Interface 6-5
Interface 6-16	Mate	Mate	Mate
Interface 6-17	Not Mate	Mate	Mate
Interface 6-18	Not Mate	Not Mate	Not Mate

Plugs	Connector housing			
	Interface 6-8	Interface 6-9	Interface 6-10	Interface 6-11
Interface 6-16	Mate	Not Mate	Mate	Not Mate
Interface 6-17	Mate	Not Mate	Mate	Not Mate
Interface 6-18	Not Mate	Not Mate	Not Mate	Not Mate

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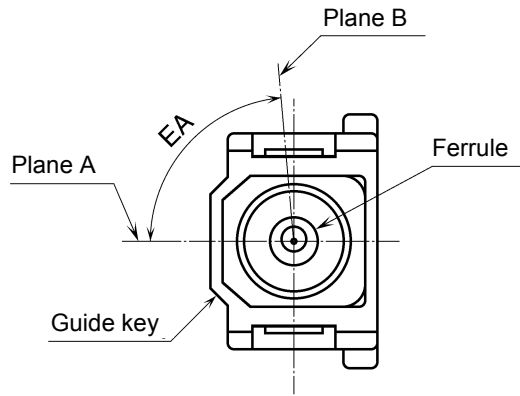
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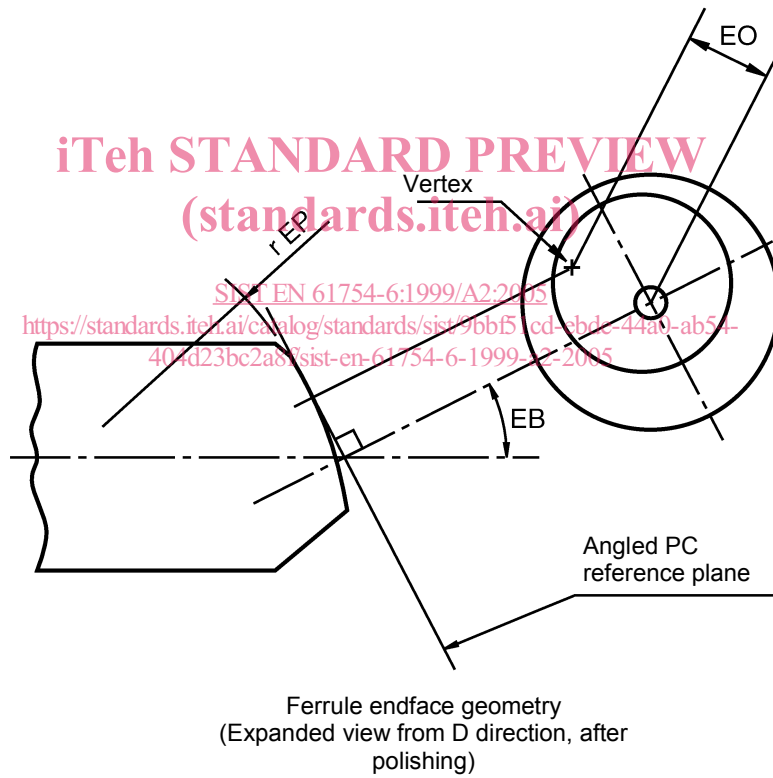
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Figure 14a – Simplex plug connector interface



Expanded view from C direction
(After polishing)



Ferrule endface geometry
(Expanded view from D direction, after
polishing)

IEC 1385/04

Figure 14b – Simplex plug connector interface