
**Industrijska komunikacijska omrežja - Profili - 5-12. del: Inštalacija procesnih vodil
- Inštalacijski profili za CPF 12**

Industrial communication networks - Profiles - Part 5-12: Installation of fieldbuses -
Installation profiles for CPF 12

Industrielle Kommunikationsnetze - Profile - Teil 5-12: Feldbusinstallation -
Installationsprofile für die Kommunikationsprofilfamilie 12

Industrial communication networks - Profiles - Part 5-12: Installation of fieldbuses -
Installation profiles for CPF 12

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Ta slovenski standard je istoveten z: EN 61784-5-12:2012

ICS:

25.040.40	Merjenje in krmiljenje industrijskih postopkov	Industrial process measurement and control
35.100.05	Večslojne uporabniške rešitve	Multilayer applications

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61784-5-12

April 2012

ICS 25.040.40; 35.100.40

English version

**Industrial communication networks -
Profiles -
Part 5-12: Installation of fieldbuses -
Installation profiles for CPF 12
(IEC 61784-5-12:2010)**

Industrial communication networks -
Profiles -
Part 5-12: Installation of fieldbuses -
Installation profiles for CPF 12
(CEI 61784-5-12:2010)

Industrielle Kommunikationsnetze -
Profile -
Teil 5-12: Feldbusinstallation -
Installationsprofile für die
Kommunikationsprofilfamilie 12
(IEC 61784-5-12:2010)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of document 65C/602/FDIS, future edition 1 of IEC 61784-5-12, prepared by SC 65C, "Industrial networks", of IEC/TC 65, "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61784-5-12:2012.

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) 2012-10-20
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2014-10-19

This standard is to be used in conjunction with IEC 61918, second edition (2010-07), together with the European Common Modification published with EN 61918:2008.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61156-5	-	Multicore and symmetrical pair/quad cables for digital communications - Part 5: Symmetrical pair/quad cables with transmission characteristics up to 1 000 MHz - Horizontal floor wiring - Sectional specification	-	-
IEC 61918	2010	Industrial communication networks - Installation of communication networks in industrial premises	-	-

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IEC 61784-5-12

Edition 1.0 2010-07

INTERNATIONAL STANDARD



**Industrial communication networks – Profiles –
Part 5-12: Installation of fieldbuses – Installation profiles for CPF 12**

SIST EN 61784-5-12:2012
<https://standards.iteh.ai/catalog/standards/sist/9deb8f7c-ac82-478a-82a9-a75a9a9a0fac/sist-en-61784-5-12-2012>

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

PRICE CODE

R

ICS 25.040.40; 35.100.40

ISBN 978-2-88912-059-8

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**INDUSTRIAL COMMUNICATION NETWORKS –
PROFILES –****Part 5-12: Installation of fieldbuses –
Installation profiles for CPF 12**

FOREWORD

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International Standard IEC 61784-5-12 has been prepared by subcommittee 65C: Industrial networks, of IEC technical committee 65: Industrial-process measurement, control and automation.

This standard is to be used in conjunction with IEC 61918:2010.

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

FDIS	Report on voting
65C/602/FDIS	65C/616/RVD

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 of the IEC 61784-5 series, published under the general title *Industrial communication networks – Profiles – Installation of fieldbuses*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability 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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INTRODUCTION

This International Standard is one of a series produced to facilitate the use of communication networks in industrial control systems.

IEC 61918:2010 provides the common requirements for the installation of communication networks in industrial control systems. This installation profile standard provides the installation profiles of the communication profiles (CP) of a specific communication profile family (CPF) by stating which requirements of IEC 61918 fully apply and, where necessary, by supplementing, modifying, or replacing the other requirements (see Figure 1).

For general background on fieldbuses, their profiles, and relationship between the installation profiles specified in this standard, see IEC/TR 61158-1.

Each CP installation profile is specified in a separate annex of this standard. Each annex is structured exactly as the reference standard IEC 61918 for the benefit of the persons representing the roles in the fieldbus installation process as defined in IEC 61918 (planner, installer, verification personnel, validation personnel, maintenance personnel, administration personnel). By reading the installation profile in conjunction with IEC 61918, these persons immediately know which requirements are common for the installation of all CPs and which are modified or replaced. The conventions used to draft this standard are defined in Clause 5.

The provision of the installation profiles in one standard for each CPF (for example IEC 61784-5-12 for CPF 12), allows readers to work with standards of a convenient size.

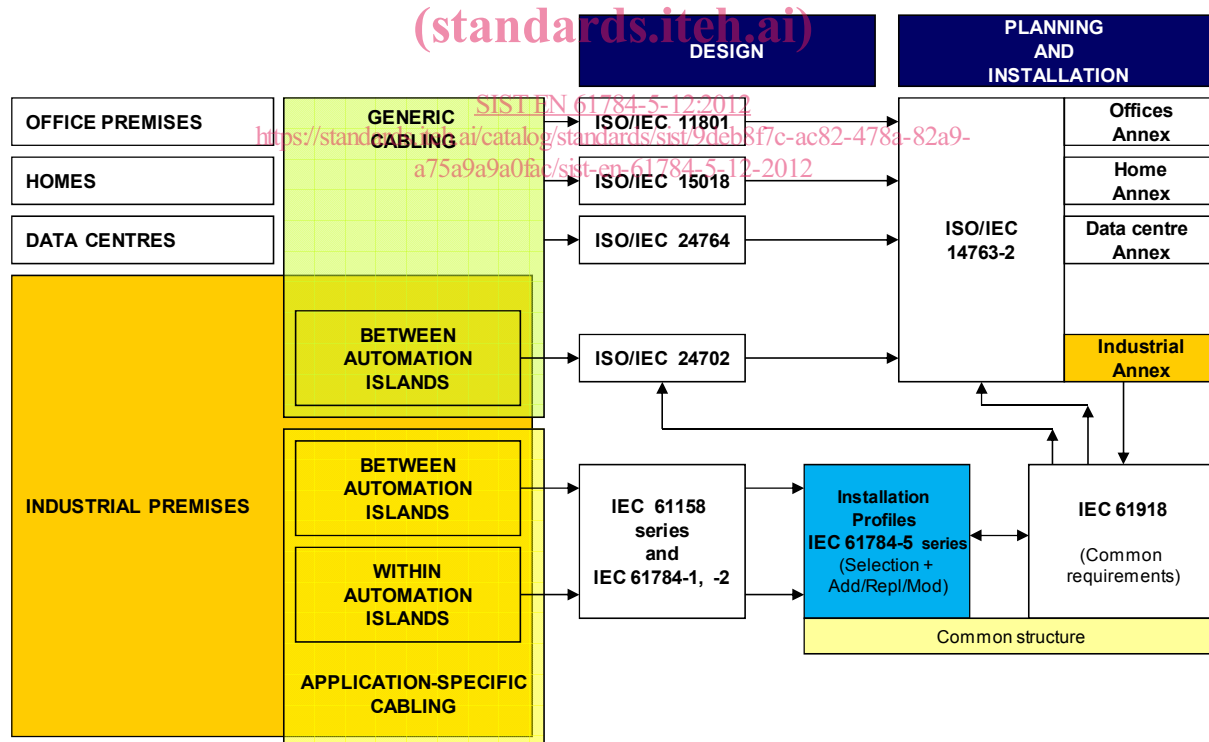


Figure 1 – Standards relationships