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**Industrial networks – Profiles –
Part 5-8: Installation of fieldbuses – Installation profiles for CPF 8**

**Réseaux industriels – Profils –
Partie 5-8: Installation des bus de terrain – Profils d'installation pour la CPF 8**



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CONTENTS

FOREWORD.....	7
INTRODUCTION.....	9
1 Scope.....	10
2 Normative references	10
3 Terms, definitions and abbreviated terms	10
4 CPF 8: Overview of installation profiles	11
5 Installation profile conventions.....	11
6 Conformance to installation profiles.....	12
Annex A (normative) CP 8/1 and CP 8/2 (CC-Link™/V1 and CC-Link™/V2) specific installation profile	13
A.1 Installation profile scope	13
A.2 Normative references.....	13
A.3 Installation profile terms, definitions, and abbreviated terms	13
A.3.1 Terms and definitions	13
A.3.2 Abbreviated terms	13
A.3.3 Conventions for installation profiles	13
A.4 Installation planning.....	13
A.4.1 General	13
A.4.2 Planning requirements.....	14
A.4.3 Network capabilities.....	14
A.4.4 Selection and use of cabling components.....	16
A.4.5 Cabling planning documentation.....	21
A.4.6 Verification of cabling planning specification.....	21
A.5 Installation implementation.....	21
A.5.1 General requirements	21
A.5.2 Cable installation.....	22
A.5.3 Connector installation.....	23
A.5.4 Terminator installation.....	23
A.5.5 Device installation.....	24
A.5.6 Coding and labelling	24
A.5.7 Earthing and bonding of equipment and devices and shield cabling.....	24
A.5.8 As-implemented cabling documentation.....	24
A.6 Installation verification and installation acceptance test	25
A.6.1 General	25
A.6.2 Installation verification.....	25
A.6.3 Installation acceptance test	26
A.7 Installation administration	26
A.8 Installation maintenance and installation troubleshooting.....	26
Annex B (normative) CP 8/3 (CC-Link/LT™) specific installation profile	27
B.1 Installation profile scope	27
B.2 Normative references.....	27
B.3 Installation profile terms, definitions, and abbreviated terms	27
B.3.1 Terms and definitions	27
B.3.2 Abbreviated terms	27
B.3.3 Conventions for installation profiles	27
B.4 Installation planning.....	27

B.4.1	General	27
B.4.2	Planning requirements	28
B.4.3	Network capabilities	28
B.4.4	Selection and use of cabling components	31
B.4.5	Cabling planning documentation	38
B.4.6	Verification of cabling planning specification	38
B.5	Installation implementation	38
B.5.1	General requirements	38
B.5.2	Cable installation	38
B.5.3	Connector installation	39
B.5.4	Terminator installation	40
B.5.5	Device installation	40
B.5.6	Coding and labelling	40
B.5.7	Earthing and bonding of equipment and devices and shield cabling	40
B.5.8	As-implemented cabling documentation	40
B.6	Installation verification and installation acceptance test	41
B.6.1	General	41
B.6.2	Installation verification	41
B.6.3	Installation acceptance test	42
B.7	Installation administration	42
B.8	Installation maintenance and installation troubleshooting	42
Annex C (normative)	CP 8/4 (CC-Link IE™ Controller Network) specific installation profile	43
C.1	Installation profile scope	43
C.2	Normative references	43
C.3	Installation profile terms, definitions, and abbreviated terms	43
C.3.1	Terms and definitions	43
C.3.2	Abbreviated terms	43
C.3.3	Conventions for installation profiles	43
C.4	Installation planning	43
C.4.1	General	43
C.4.2	Planning requirements	43
C.4.3	Network capabilities	44
C.4.4	Selection and use of cabling components	45
C.4.5	Cabling planning documentation	51
C.4.6	Verification of cabling planning specification	51
C.5	Installation implementation	51
C.5.1	General requirements	51
C.5.2	Cable installation	52
C.5.3	Connector installation	53
C.5.4	Terminator installation	53
C.5.5	Device installation	54
C.5.6	Coding and labelling	54
C.5.7	Earthing and bonding of equipment and devices and shield cabling	54
C.5.8	As-implemented cabling documentation	55
C.6	Installation verification and installation acceptance test	55
C.6.1	General	55
C.6.2	Installation verification	55
C.6.3	Installation acceptance test	56

C.7	Installation administration	56
C.8	Installation maintenance and installation troubleshooting	56
Annex D (normative) CP 8/5 (CC-Link IE™ Field Network) specific installation profile		57
D.1	Installation profile scope	57
D.2	Normative references	57
D.3	Installation profile terms, definitions, and abbreviated terms	57
D.3.1	Terms and definitions	57
D.3.2	Abbreviated terms	57
D.3.3	Conventions for installation profiles	57
D.4	Installation planning	57
D.4.1	General	57
D.4.2	Planning requirements	57
D.4.3	Network capabilities	58
D.4.4	Selection and use of cabling components	59
D.4.5	Cabling planning documentation	64
D.4.6	Verification of cabling planning specification	64
D.5	Installation implementation	64
D.5.1	General requirements	64
D.5.2	Cable installation	64
D.5.3	Connector installation	66
D.5.4	Terminator installation	66
D.5.5	Device installation	66
D.5.6	Coding and labelling	66
D.5.7	Earthing and bonding of equipment and devices and shield cabling	66
D.5.8	As-implemented cabling documentation	67
D.6	Installation verification and installation acceptance test	67
D.6.1	General	67
D.6.2	Installation verification	67
D.6.3	Installation acceptance test	68
D.7	Installation administration	69
D.8	Installation maintenance and installation troubleshooting	69
Annex E (normative) CP 8/4 (CC-Link IE™ TSN) specific installation profile		70
E.1	Installation profile scope	70
E.2	Normative references	70
E.3	Installation profile terms, definitions, and abbreviated terms	70
E.3.1	Terms and definitions	70
E.3.2	Abbreviated terms	70
E.3.3	Conventions for installation profiles	70
E.4	Installation planning	70
E.4.1	General	70
E.4.2	Planning requirements	71
E.4.3	Network capabilities	71
E.4.4	Selection and use of cabling components	73
E.4.5	Cabling planning documentation	79
E.4.6	Verification of cabling planning specification	79
E.5	Installation implementation	80
E.5.1	General requirements	80
E.5.2	Cable installation	80
E.5.3	Connector installation	81

E.5.4	Terminator installation	82
E.5.5	Device installation	82
E.5.6	Coding and labelling	82
E.5.7	Earthing and bonding of equipment and devices and shield cabling	82
E.5.8	As-implemented cabling documentation	83
E.6	Installation verification and installation acceptance test	83
E.6.1	General	83
E.6.2	Installation verification	83
E.6.3	Installation acceptance test	84
E.7	Installation administration	84
E.8	Installation maintenance and installation troubleshooting	84
	Bibliography	85
	Figure 1 – Standards relationships	9
	Figure A.1 – Pass-through connector configuration	15
	Figure A.2 – Bus t-branch topology	15
	Figure A.3 – Wiring	18
	Figure B.1 – Powered network topology	29
	Figure B.2 – Bus t-branch topology	29
	Figure B.3 – Flat cable cross section – with key	31
	Figure B.4 – Flat cable cross section – without key	31
	Figure B.5 – Flat cable polarity marking	32
	Figure B.6 – Wiring	33
	Figure B.7 – Flat cable connector and terminal cover	34
	Table A.1 – Basic network characteristics for balanced cabling not based on Ethernet	16
	Table A.2 – Bus t-branch network characteristics	16
	Table A.3 – Information relevant to copper cable: fixed cables	17
	Table A.4 – Connectors for copper cabling CPs not based on Ethernet	18
	Table A.5 – Parameters for balanced cables	22
	Table A.6 – Cable conductor assignments	23
	Table B.1 – Basic network characteristics for balanced cabling not based on Ethernet	30
	Table B.2 – CP 8/3 additional topology length limits	30
	Table B.3 – Information relevant to copper cable: cords	32
	Table B.4 – Connectors for copper cabling CPs not based on Ethernet	35
	Table B.5 – Parameters for balanced cables	38
	Table B.6 – Flat cable conductor assignments	39
	Table C.1 – Network characteristics for balanced cabling based on Ethernet	45
	Table C.2 – Network characteristics for optical fibre cabling	45
	Table C.3 – Information relevant to copper cable: fixed cables	46
	Table C.4 – Information relevant to optical fibre cables	47
	Table C.5 – Connectors for balanced cabling CPs based on Ethernet	47
	Table C.6 – Optical fibre connecting hardware	48
	Table C.7 – Relationship between FOC and fibre types (CP 8/4)	48

Table C.8 – Parameters for balanced cables.....	52
Table C.9 – Parameters for silica optical fibre cables.....	52
Table D.1 – Network characteristics for balanced cabling based on Ethernet.....	59
Table D.2 – Information relevant to copper cable: fixed cables.....	60
Table D.3 – Connectors for balanced cabling CPs based on Ethernet.....	61
Table D.4 – Parameters for balanced cables.....	65
Table E.1 – Network characteristics for balanced cabling based on Ethernet.....	72
Table E.2 – Network characteristics for optical fibre cabling.....	73
Table E.3 – Information relevant to copper cable: fixed cables.....	74
Table E.4 – Information relevant to optical fibre cables.....	75
Table E.5 – Connectors for balanced cabling CPs based on Ethernet.....	76
Table E.6 – Optical fibre connecting hardware.....	76
Table E.7 – Relationship between FOC and fibre types (CP 8/6).....	76
Table E.8 – Parameters for balanced cables.....	80
Table E.9 – Parameters for silica optical fibre cables.....	80

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**INDUSTRIAL NETWORKS –
PROFILES –****Part 5-8: Installation of fieldbuses –
Installation profiles for CPF 8**

FOREWORD

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This document is to be used in conjunction with IEC 61918:2018, IEC 61918:2018/AMD1:2022 and IEC 61918:2018/AMD2:2024.

This third edition cancels and replaces the second edition published in 2018. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) Annex E and related references have been added.

The text of this International Standard is based on the following documents:

Draft	Report on voting
65C/1280/FDIS	65C/1295/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with the ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

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INTRODUCTION

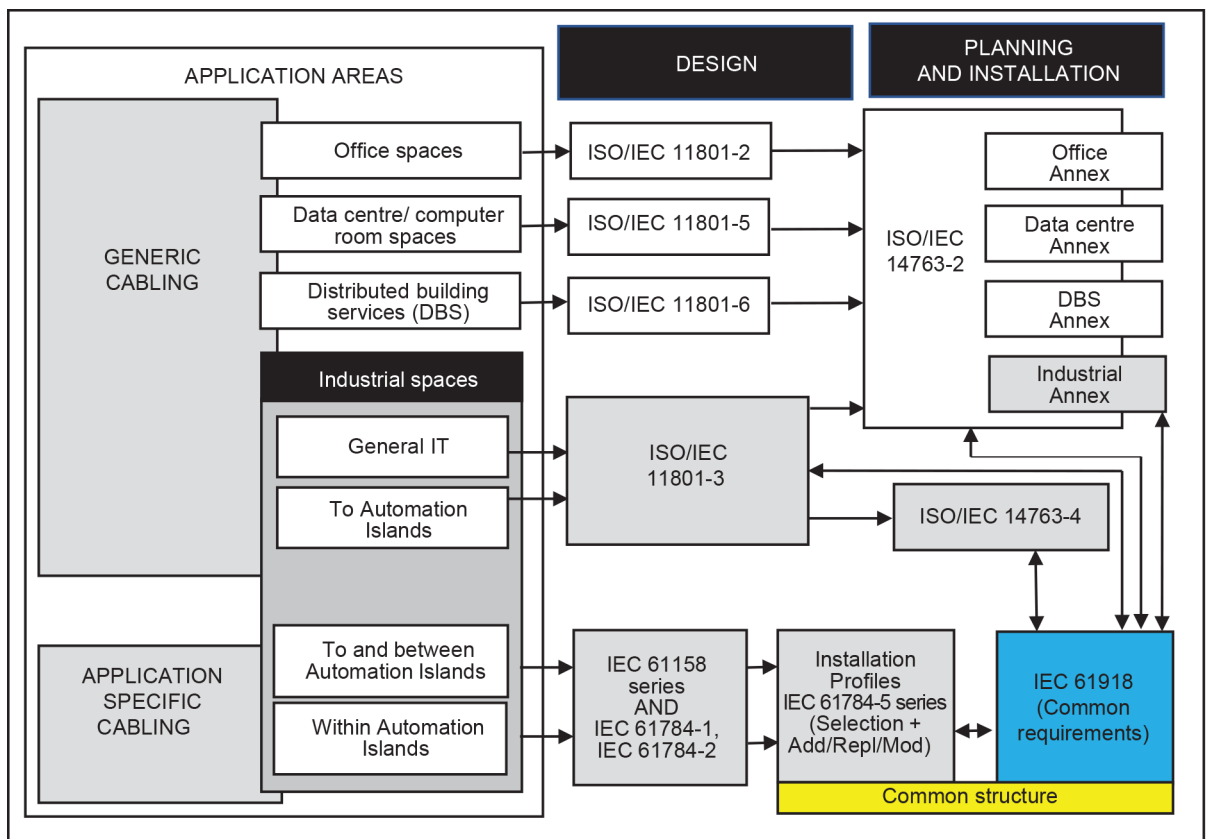
This document is one of a series produced to facilitate the use of communication networks in industrial control systems.

IEC 61918:2018, IEC 61918:2018/AMD1:2022 and IEC 61918:2018/AMD2:2024 provide 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 61918:2018 and IEC 61918:2018/AMD1:2022 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 document, see IEC 61158-1.

Each CP installation profile is specified in a separate annex of this document. Each annex is structured exactly as the reference standard IEC 61918:2018 for the benefit of the persons representing the roles in the fieldbus installation process as defined in IEC 61918:2018 (planner, installer, verification personnel, validation personnel, maintenance personnel, administration personnel). By reading the installation profile in conjunction with IEC 61918:2018, 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 document are defined in Clause 5.

The provision of the installation profiles in one standard for each CPF (for example IEC 61784-5-8 for CPF 8) allows readers to work with standards of a convenient size.



IEC

Figure 1 – Standards relationships

INDUSTRIAL NETWORKS – PROFILES –

Part 5-8: Installation of fieldbuses – Installation profiles for CPF 8

1 Scope

This part of IEC 61784-5 specifies the installation profiles for CPF 8 (CC-Link^{TM1}).

The installation profiles are specified in the annexes. These annexes are read in conjunction with IEC 61918:2018, IEC 61918:2018/AMD1:2022 and IEC 61918:2018/AMD2:2024.

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.

IEC 61918:2018², *Industrial communication networks – Installation of communication networks in industrial premises*
IEC 61918:2018/AMD1:2022
IEC 61918:2018/AMD2:2024

NOTE For profile specific normative references, see Clauses A.2, B.2, and E.2 respectively.

3 Terms, definitions and abbreviated terms

For the purposes of this document, the terms, definitions and abbreviated terms given in IEC 61918:2018, Clause 3 and IEC 61918:2018/AMD1:2022, Clause 3 apply.

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- ISO Online browsing platform: available at <https://www.iso.org/obp>

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² The normative references of IEC 61918:2018, Clause 2, IEC 61918:2018/AMD1:2022, Clause 2 and IEC 61918:2018/AMD2:2024, Clause 2, apply.