

Thermocouples - Part 3: Extension and compensating
cables - Tolerances and identification system

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ICS 17.200.20

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EN IEC 60584-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2021

ICS 17.200.20

Supersedes EN 60584-3:2008 and all of its amendments
and corrigenda (if any)

English Version

**Thermocouples - Part 3: Extension and compensating cables -
Tolerances and identification system
(IEC 60584-3:2021)**

Couples thermoélectriques - Partie 3: Câbles d'extension et
de compensation - Tolérances et système d'identification
(IEC 60584-3:2021)

Thermopaare - Teil 3: Thermoleitungen und
Ausgleichsleitungen - Grenzabweichungen und
Kennzeichnungssystem
(IEC 60584-3:2021)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 65B/1189/FDIS, future edition 3 of IEC 60584-3, prepared by SC 65B "Measurement and control devices" of IEC/TC 65 "Industrial-process measurement, control and automation" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60584-3:2021.

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) 2021-12-23
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-03-23

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

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 60584-1	-	Thermocouples - Part 1: EMF specifications and tolerances	EN 60584-1	-

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Thermocouples –
Part 3: Extension and compensating cables – Tolerances and identification
system**

**Couples thermoélectriques –
Partie 3: Câbles d'extension et de compensation – Tolérances et système
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INTERNATIONAL STANDARD

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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 17.200.20

ISBN 978-2-8322-9392-8

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CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references	5
3 Terms and definitions	5
4 General	6
5 Tolerance values	6
6 Colour coding.....	7
6.1 Negative conductor.....	7
6.2 Positive conductor	7
6.3 Outer sheath.....	7
6.4 Connectors.....	7
7 Dimensions.....	7
8 Requirements	9
8.1 Materials.....	9
8.1.1 Insulating materials	9
8.1.2 Conductor materials.....	9
8.2 Electromagnetic shielding.....	9
8.3 Capacitance and inductance	9
8.4 Resistance of positive or negative conductor and loop resistance of a cable.....	9
8.5 Insulation resistance.....	10
8.6 Dielectric strength.....	10
9 Identification and shipping form	10
9.1 Additional identification	10
9.2 The shipping form and further information.....	10
Annex A (informative) Examples for forms and sizes other than wires and stranded wires.....	11
Table 1 – Tolerance classes for extension and compensating cables.....	6
Table 2 – Colour code of positive conductor insulation for extension and compensating cables.....	7
Table 3 – Nominal diameters of typical single strand (solid) wires.....	8
Table 4 – Constructions and typical nominal cross-sectional area of multi-stranded wires.....	8
Table A.1 – Rods.....	11
Table A.2 – Flat wires	11
Table A.3 – Strips	11

INTERNATIONAL ELECTROTECHNICAL COMMISSION

THERMOCOUPLES –

**Part 3: Extension and compensating cables –
Tolerances and identification system**

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International Standard IEC 60584-3 has been prepared by subcommittee 65B: Measurement and control devices, of IEC Technical Committee 65: Industrial-process measurement, control and automation.

This third edition cancels and replaces the second edition issued in 2007. This edition constitutes a technical revision.

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

- a) revision of tolerance values to take recent technological advancement into account,
- b) addition of new colour coding for the thermocouple Type C and A in response to the newly revised IEC 60584-1 Edition 3: 2013,
- c) creation of an annex to provide examples of sizes for the rod, flat wire and strip of the compensating and extending conductors for thermocouples.

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

FDIS	Report on voting
65B/1189/FDIS	65B/1191/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 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/standardsdev/publications.

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