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Wearable electronic devices and technologies - Part 204-2: Electronic textile - Test method to characterize electrical resistance change in knee and elbow bending test of e-textiles

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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EUROPÄISCHE NORM

EN IEC 63203-204-2

April 2025

ICS 59.080.80; 59.080.01

English Version

**Wearable electronic devices and technologies - Part 204-2:
Electronic textile - Test method to characterize electrical
resistance change in knee and elbow bending test of e-textiles
(IEC 63203-204-2:2025)**

Technologies et dispositifs électroniques prêts-à-porter -
Partie 204-2: Textile électronique - Méthode d'essai pour
caractériser la variation de la résistance électrique lors de
l'essai de flexion du genou et du coude des textiles
électroniques
(IEC 63203-204-2:2025)

Tragbare elektronische Geräte und Technologien -
Teil 204-2: Elektronische Textilien - Prüfverfahren zur
Charakterisierung der Änderung des elektrischen
Widerstands beim Knie- und Ellbogenbiegeversuch von
E-Textilien
(IEC 63203-204-2:2025)

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EN IEC 63203-204-2:2025 (E)**European foreword**

The text of document 124/299/FDIS, future edition 1 of IEC 63203-204-2, prepared by TC 124 "Wearable electronic devices and technologies" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63203-204-2:2025.

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IEC 63203-101-1 NOTE Approved as EN IEC 63203-101-1

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 139	-	Textiles - Standard atmospheres for conditioning and testing	EN ISO 139	-
ISO 5084	-	Textiles - Determination of thickness of textiles and textile products	EN ISO 5084	-
-	-	Textiles and textile products - Electrically conductive textiles - Determination of the linear electrical resistance of conductive tracks	EN 16812	2016



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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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variation de la résistance électrique lors de l'essai de flexion du genou et du
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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

WEARABLE ELECTRONIC DEVICES AND TECHNOLOGIES –

Part 204-2: Electronic textile – Test method to characterize electrical resistance change in knee and elbow bending test of e-textiles

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IEC 63203-204-2 has been prepared by IEC technical committee 124: Wearable electronic devices and technologies. It is an International Standard.

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Draft	Report on voting
124/299/FDIS	124/306/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/publications.

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WEARABLE ELECTRONIC DEVICES AND TECHNOLOGIES –

Part 204-2: Electronic textile – Test method to characterize electrical resistance change in knee and elbow bending test of e-textiles

1 Scope

This part of IEC 63203 specifies a test method for e-textiles for measuring the change of electrical resistance during bending of the knee and elbow joints. It uses a dynamic method. This document is applicable to e-textiles.

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.

ISO 139, *Textiles – Standard atmospheres for conditioning and testing*

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