Environmental declaration –
Part 1: Wires, cables and accessory products – Specific rules
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ENVIRONMENTAL DECLARATION –

Part 1: Wires, cables and accessory products –
Specific rules

FOREWORD

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IEC TR 62839-1, which is a technical report, has been prepared by IEC technical committee 46: Cables, wires, waveguides, R.F. connectors, R.F. and microwave passive components and accessories.
The text of this technical report is based on the following documents:

<table>
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<tr>
<th>Enquiry draft</th>
<th>Report on voting</th>
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<td>46/496/DTR</td>
<td>46/528/RVC</td>
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Full information on the voting for the approval of this technical report 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 in the IEC 62839 series, published under the general title *Environmental declaration*, 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 website 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- withdrawn,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.

A bilingual version of this publication may be issued at a later date.

**IMPORTANT** – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.
1 Scope

This part of IEC 62839 specifies the PSR (product specific rules) for wires and cables used for communication, data, control and command. This PSR covers the use, installation and end-of-life stages and provides methodological precisions to PEP/PCR writing for “wires and cables and accessories” products used for communication, data, control and command. PSR and general rules all together form the product category rules.

ISO 14025:2006 establishes the principles and specifies the procedures for developing Type III environmental declaration programmes and Type III environmental declarations. It specifically establishes the use of the ISO 14040 series of standards in the development of Type III environmental declaration programmes and Type III environmental declarations. It establishes principles for the use of environmental information, in addition to those given in ISO 14020:2000.

Type III environmental declarations as described in ISO 14025:2006 are primarily intended for use in business-to-business communication, but their use in business-to-consumer communication under certain conditions is not precluded. These environmental declarations, referred here after as PEP, follow a specific set of rules and requirements specified in product category rules declaration that are referred here after as “PEP/PCR”.

Three categories of wires and cables are covered:
– communication and data wires and cables, which may have metal or optical fiber conductors;
– control and command wires and cables, which can have metal or fiber optical conductors;
– accessories.

This document only deals with the “wires and cables” products. “Accessories products” are for further study.

This document is primarily intended for:
– environment and/or product managers;
– LCA (life cycle assessment) experts in companies, in charge of PEP/PCR development;
– verifiers in charge of PEP/PCR conformity assessment in accordance with the defined rules.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60793 (all parts), Optical fibres

IEC 60794 (all parts), Optical fibre cables

IEC 61156 (all parts), Multicore and symmetrical pair/quad cables for digital communications

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 61156-7, Multicore and symmetrical pair/quad cables for digital communications - Part 7: Symmetrical pair cables with transmission characteristics up to 1 200 MHz - Sectional specification for digital and analog communication cables

ISO/IEC 15018, Information technology – Generic cabling for homes

ISO 14020:2000, Environmental labels and declarations – General principles

ISO 14025:2006, Environmental labels and declarations – Type III environmental declarations – Principles and procedures


ISO 14044, Environmental management – Life cycle assessment – Requirements and guidelines