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TECHNICAL REPORT

Environmental declaration -
Part 1: Communication wires and cables - Product specific rules

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Environmental declaration - Part 1: Communication wires and cables - Product specific rules

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IEC TR 62839-1 has been prepared by IEC technical committee 46: Cables, wires, waveguides, RF connectors, RF and microwave passive components and accessories. It is a Technical Report.

This second edition cancels and replaces the first edition published in 2014. This edition constitutes a technical revision.

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

a) The term "accessory products" has been removed from the title and the text as accessories are covered by IEC TR 62839-2.
b) The consideration of remote powering was added for the evaluation of the use stage.
c) Guidance was added with respect to evaluate the use stage of certain coaxial cables.
d) Update of the entire document to reflect a complete life cycle assessment.

The text of this Technical Report is based on the following documents:

Draft	Report on voting
46/1051/DTR	46/1058/RVDTR

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 Technical Report 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.

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 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

- reconfirmed,
- withdrawn, or
- revised.

1 Scope

This part of IEC 62839 describes the product specific rules (PSR) for wires and cables used for communication, data, control and command.

These PSR are applicable in case the life cycle assessment (LCA) results are intended to be used in external communication in the form of an environmental product declaration (EPD), as laid out in ISO 14021, ISO 14025, ISO 14026 and ISO 14067. These PSR are complementary to the product category rules (PCR) for (LCA) of electrical and electronic products and systems (EEPS) provided in IEC 63366.

The following categories of wires and cables are covered in this document:

– communication and data wires and cables which can comprise metallic conductors or optical fibre;

– control and command wires and cables which can comprise metallic conductors or optical fibre.

This document is applicable to communication cables in general, it is related in particular to the wire and cable products covered by generic cabling described in the ISO/IEC 11801 series which is based on component standards described in the IEC 60794 series (fibre optic cables), IEC 61156 series (metallic balanced communication cables) and the IEC 61196 series (coaxial metallic communication cables). According to this relationship, this document is related to ISO/IEC 14763-5 which describes sustainability aspect of generic cabling.

This document is primarily intended for:

– environment and/or product managers;

– LCA experts in companies or contractors and other 3rd party operators, in charge of EPD;

– verifiers in charge of conformity assessment in accordance with the defined rules.

2 Normative references

There are no normative references in this document.