

Environmental Product Declaration



EPD of multiple products, based on the average results of the product group

In accordance with ISO 14025:2006 and EN 15804:2012+A2:2019/AC:2021 for:

**KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30
KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300
KIMA SNOWLIGHT CABLE / ÖS SNÖKABEL LETT-30
KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300
KIMA SNOW ROOF CABLE**

from

KIMA Heating Cable AB



Programme:	The International EPD System, www.environdec.com
Programme operator:	EPD International AB
Type of EPD:	EPD of multiple products, based on the average results of the product group
EPD registration number:	EPD-IES-0031502
Version date:	2026-04-29
Validity date:	2031-04-29



An EPD may be updated or depublished if conditions change. To find the latest version of the EPD and to confirm its validity, see www.environdec.com



GENERAL INFORMATION

Programme Information	
Programme:	The International EPD® System
Address:	EPD International AB Box 210 60 SE-100 31 Stockholm Sweden
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Product Category Rules (PCR)
CEN standard EN 15804 serves as the Core Product Category Rules (PCR)
Product Category Rules (PCR): CONSTRUCTION PRODUCTS PCR 2019:14 VERSION 2.0.1
PCR review was conducted by: <i>The Technical Committee of the International EPD System. See www.environdec.com for a list of members. Review chair: Rob Rouwette (chair), Noa Meron (co-chair). The review panel may be contacted via the Secretariat at www.environdec.com/support.</i>
c-PCR, if applicable: <i>N/A</i>

Third-party Verification
Independent third-party verification of the declaration and data, according to ISO 14025:2006, via:
<input checked="" type="checkbox"/> Individual EPD verification without a pre-verified LCA/EPD tool Third-party verifier: <i>Viktor Hakkarainen, CHM Analytics AB</i> Approved by: International EPD System


Procedure for follow-up of data during EPD validity involves third party verifier:
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

The EPD owner has the sole ownership, liability, and responsibility for the EPD.

EPDs within the same product category but published in different EPD programmes, may not be comparable. For two EPDs to be comparable, they shall be based on the same PCR (including the same first-digit version number) or be based on fully aligned PCRs or versions of PCRs; cover products with identical functions, technical performances and use (e.g. identical declared/functional units); have identical scope in terms of included life-cycle stages (unless the excluded life-cycle stage is demonstrated to be insignificant); apply identical impact assessment methods (including the same version of characterisation factors); and be valid at the time of comparison. For further information about comparability, see EN 15804 and ISO 14025.

INFORMATION ABOUT EPD OWNER

Owner of the EPD: KIMA Heating Cable AB

Address: Dragarevägen 5 Box 2024 281 02 Hässleholm

Contact: Jan Anders Nilsson

LCA practitioners: Alexander Kyriakidis, AFRY, alexander.kyriakidis@afry.com; Ilmari Hieta, AFRY, Ilmari.hieta@afry.com

Description of the organisation: Producer of heating cables and heating elements for domestic and commercial applications and as well for the appliance industry.

Product-related or management system-related certifications: Certified according to ISO 9001, ISO 14001 and ISO 45000.

PRODUCT INFORMATION

Product name: Heating cable (KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30, KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300, KIMA SNOWLIGHT CABLE / ÖS SNÖKABEL LETT-30, KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300, KIMA SNOW ROOF CABLE) see table below for article numbers and specifications of different variations assessed in this report.

Name and location of production site(s): KIMA Heating Cable AB, Hässleholm, Sweden.

Visual representation of the product:



UN CPC code: 46340, Other electric conductors, for a voltage not exceeding 1000 V.

Product description: The heating cables are used to melt snow and ice on roads, ramps and roofs. They consist of metals and insulation. The product in the study is an average product and contains metals such as nickel, stainless steel, and copper that create varying resistances in the heating cable and thereby adjust the heat it emits. The products have an outer sheath of PVC (Polyvinyl chloride) or modified crosslinked PE (Polyethylene). The total weight of 1 meter of average cable is 78.25 g.

The product energy consumption is 5.06 kWh per year, or 101.1 kWh over its 20 year service life.

The heating cables have 100 % efficiency. Energy losses are only depending on how the installation is made and how well it is thermal insulated to save energy. However, to achieve the right performance and save energy is it important that the heating cables are properly installed and connected to an appropriate control unit featuring temperature and moisture sensors. While this EPD includes results for use phase emissions based on a most-likely scenario, the real world performance of the product is highly dependent on outside factors such as weather conditions and user behaviour.

This EPD presents results for an average heating cable that is weighted by production volumes. The cables covered by the EPD have differences in material composition and energy characteristics. To investigate which cables can be included in this EPD, different product cases provided by KIMA were modelled and compared. The following table lists the included cables.

Article number	EL number	Type	Product Name	Volt	Watt	Cable length m	Mat length m	Cable diam mm
10520350	1037400	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	230	1050	35	----	7,70
10520500	1037401	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	230	1500	50	----	7,70
10520600	1037402	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	230	1800	60	----	7,70
10520700	1037403	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	230	2100	70	----	7,70
10520800	1037404	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	230	2400	80	----	7,70
10520900	1037405	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	230	2700	90	----	7,70
10521000	1037406	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	230	3000	100	----	7,70
10521200	1037407	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	230	3600	120	----	8,10
10521500	1037408	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	230	4500	150	----	8,10
10521700	1037409	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	230	5100	170	----	8,10
10522000	1037410	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	230	6000	200	----	8,10
10540900	1037420	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	400	2700	90	----	7,70
10541000	1037421	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	400	3000	100	----	7,70
10541200	1037422	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	400	3600	120	----	7,70
10541500	1037423	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	400	4500	150	----	7,70
10541700	1037424	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	400	5100	170	----	7,70
10542000	1037425	9-3	KIMA SNOW&ICE CABLE / ÖS SNÖKABEL-30	400	6000	200	----	8,10
10531035	1037430	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 0,5	230	1050	35	7	7,70
10531050	1037431	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 0,5	230	1500	50	10	7,70
10531060	1037432	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 0,5	230	1800	60	12	7,70
10531070	1037433	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 0,5	230	2100	70	14	7,70
10531080	1037434	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 0,5	230	2400	80	16	7,70
10531090	1037435	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 0,5	230	2700	90	18	7,70
10531100	1037436	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 0,5	230	3000	100	20	7,70
10531120	1037437	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 0,5	230	3600	120	24	8,10
10531150	1037438	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 0,5	230	4500	150	30	8,10
10531200	1037439	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 0,5	230	6000	200	40	8,10
10532100	1037445	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 1,0	230	3000	100	10	7,70
10532120	1037446	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 1,0	230	3600	120	12	8,10
10532150	1037447	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 1,0	230	4500	150	15	8,10
10532170	1037448	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 1,0	230	5100	170	17	8,10
10532200	1037449	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 1,0	230	6000	200	20	8,10
10551090	1037460	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 0,5	400	2700	90	18	7,70
10551100	1037461	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 0,5	400	3000	100	20	7,70
10551120	1037462	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 0,5	400	3600	120	24	7,70
10551150	1037463	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 0,5	400	4500	150	30	7,70
10551200	1037464	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 0,5	400	6000	200	40	8,10
10552100	1037470	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 1,0	400	3000	100	10	7,70
10552120	1037471	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 1,0	400	3600	120	12	7,70
10552150	1037472	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 1,0	400	4500	150	15	7,70
10552170	1037473	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 1,0	400	5100	170	17	7,70
10552200	1037474	9-3	KIMA SNOW&ICE MAT / ÖS SNÖMATTE-300- 1,0	400	6000	200	20	8,10
11080100	1063026	9-4	KIMA SNOWLIGHT CABLE / ÖS SNÖKABEL LETT-30	230	300	10	----	6,50
11080200	1063027	9-4	KIMA SNOWLIGHT CABLE / ÖS SNÖKABEL LETT-30	230	600	20	----	6,50
11080350	1063000	9-4	KIMA SNOWLIGHT CABLE / ÖS SNÖKABEL LETT-30	230	1050	35	----	6,50
11080500	1063001	9-4	KIMA SNOWLIGHT CABLE / ÖS SNÖKABEL LETT-30	230	1500	50	----	6,50
11080600	1063002	9-4	KIMA SNOWLIGHT CABLE / ÖS SNÖKABEL LETT-30	230	1800	60	----	6,50
11080700	1063003	9-4	KIMA SNOWLIGHT CABLE / ÖS SNÖKABEL LETT-30	230	2100	70	----	6,50
11080800	1063004	9-4	KIMA SNOWLIGHT CABLE / ÖS SNÖKABEL LETT-30	230	2400	80	----	6,50
11080900	1063005	9-4	KIMA SNOWLIGHT CABLE / ÖS SNÖKABEL LETT-30	230	2700	90	----	6,50
11081000	1063006	9-4	KIMA SNOWLIGHT CABLE / ÖS SNÖKABEL LETT-30	230	3000	100	----	6,50
11081200	1063007	9-4	KIMA SNOWLIGHT CABLE / ÖS SNÖKABEL LETT-30	230	3600	120	----	7,40
11081500	1063008	9-4	KIMA SNOWLIGHT CABLE / ÖS SNÖKABEL LETT-30	230	4500	150	----	7,40
11081700	1063009	9-4	KIMA SNOWLIGHT CABLE / ÖS SNÖKABEL LETT-30	230	5100	170	----	7,40
11082000	1063010	9-4	KIMA SNOWLIGHT CABLE / ÖS SNÖKABEL LETT-30	230	6000	200	----	7,40
11092010	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-0,5	230	300	10	2	6,50
11092020	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-0,5	230	600	20	4	6,50
11092035	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-0,5	230	1050	35	7	6,50
11092050	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-0,5	230	1500	50	10	6,50
11092060	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-0,5	230	1800	60	12	6,50
11092070	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-0,5	230	2100	70	14	6,50
11092080	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-0,5	230	2400	80	16	6,50
11092090	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-0,5	230	2700	90	18	6,50
11092100	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-0,5	230	3000	100	20	6,50
11092120	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-0,5	230	3600	120	24	7,40
11092150	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-0,5	230	4500	150	30	7,40
11092170	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-0,5	230	5100	170	34	7,40
11092200	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-0,5	230	6000	200	40	7,40
11102100	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-1,0	230	3000	100	10	6,50
11102120	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-1,0	230	3600	120	24	7,40
11102150	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-1,0	230	4500	150	15	7,40
11102170	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-1,0	230	5100	170	17	7,40
11102200	----	9-4	KIMA SNOWLIGHT MAT / ÖS SNÖMATTE LETT-300-1,0	230	6000	200	20	7,40
10620040	----	9-5	KIMA SNOW ROOF CABLE	230	80	4	----	6,50

Article number	EL number	Type	Product Name	Volt	Watt	Cable length m	Mat length m	Cable diam mm
10620060	----	9-5	KIMA SNOW ROOF CABLE	230	120	6	----	6,50
10620080	----	9-5	KIMA SNOW ROOF CABLE	230	155	8	----	6,50
10620100	----	9-5	KIMA SNOW ROOF CABLE	230	195	10	----	6,50
10620120	----	9-5	KIMA SNOW ROOF CABLE	230	250	12	----	6,50
10620150	----	9-5	KIMA SNOW ROOF CABLE	230	295	15	----	6,50
10620170	----	9-5	KIMA SNOW ROOF CABLE	230	335	17	----	6,50
10620200	----	9-5	KIMA SNOW ROOF CABLE	230	390	20	----	6,50
10620250	----	9-5	KIMA SNOW ROOF CABLE	230	480	25	----	6,50
10620300	----	9-5	KIMA SNOW ROOF CABLE	230	585	30	----	6,50
10620350	----	9-5	KIMA SNOW ROOF CABLE	230	685	35	----	6,50
10620400	----	9-5	KIMA SNOW ROOF CABLE	230	780	40	----	6,50
10620440	----	9-5	KIMA SNOW ROOF CABLE	230	835	44	----	6,50
10620500	----	9-5	KIMA SNOW ROOF CABLE	230	975	50	----	6,50
10620550	----	9-5	KIMA SNOW ROOF CABLE	230	1075	55	----	6,50
10620600	----	9-5	KIMA SNOW ROOF CABLE	230	1250	60	----	6,50
10620650	----	9-5	KIMA SNOW ROOF CABLE	230	1240	65	----	6,50
10620700	----	9-5	KIMA SNOW ROOF CABLE	230	1415	70	----	6,50
10620750	----	9-5	KIMA SNOW ROOF CABLE	230	1440	75	----	6,50
10620800	----	9-5	KIMA SNOW ROOF CABLE	230	1560	80	----	6,50
10620850	----	9-5	KIMA SNOW ROOF CABLE	230	1685	85	----	6,50
10620890	----	9-5	KIMA SNOW ROOF CABLE	230	1650	89	----	6,50
10621000	----	9-5	KIMA SNOW ROOF CABLE	230	1920	100	----	6,50
10621150	----	9-5	KIMA SNOW ROOF CABLE	230	2110	115	----	6,50
10621250	----	9-5	KIMA SNOW ROOF CABLE	230	2400	125	----	6,50
10621400	----	9-5	KIMA SNOW ROOF CABLE	230	2830	140	----	6,50
10621500	----	9-5	KIMA SNOW ROOF CABLE	230	2900	150	----	6,50
10621850	----	9-5	KIMA SNOW ROOF CABLE	230	3650	185	----	6,50
10622100	----	9-5	KIMA SNOW ROOF CABLE	230	4150	210	----	6,50
10622500	----	9-5	KIMA SNOW ROOF CABLE	230	4800	250	----	6,50
10640070	----	9-5	KIMA SNOW ROOF CABLE	400	136	7	----	6,50
10640100	----	9-5	KIMA SNOW ROOF CABLE	400	210	10	----	6,50
10640140	----	9-5	KIMA SNOW ROOF CABLE	400	270	14	----	6,50
10640170	----	9-5	KIMA SNOW ROOF CABLE	400	350	17	----	6,50
10640220	----	9-5	KIMA SNOW ROOF CABLE	400	415	22	----	6,50
10640260	----	9-5	KIMA SNOW ROOF CABLE	400	510	26	----	6,50
10640300	----	9-5	KIMA SNOW ROOF CABLE	400	570	30	----	6,50
10640350	----	9-5	KIMA SNOW ROOF CABLE	400	675	35	----	6,50
10640440	----	9-5	KIMA SNOW ROOF CABLE	400	830	44	----	6,50
10640520	----	9-5	KIMA SNOW ROOF CABLE	400	1020	52	----	6,50
10640600	----	9-5	KIMA SNOW ROOF CABLE	400	1200	60	----	6,50
10640750	----	9-5	KIMA SNOW ROOF CABLE	400	1480	75	----	6,50
10640850	----	9-5	KIMA SNOW ROOF CABLE	400	1735	85	----	6,50
10640950	----	9-5	KIMA SNOW ROOF CABLE	400	1880	95	----	6,50
10641050	----	9-5	KIMA SNOW ROOF CABLE	400	2160	105	----	6,50
10641100	----	9-5	KIMA SNOW ROOF CABLE	400	2210	110	----	6,50
10641250	----	9-5	KIMA SNOW ROOF CABLE	400	2400	125	----	6,50
10641300	----	9-5	KIMA SNOW ROOF CABLE	400	2510	130	----	6,50
10641400	----	9-5	KIMA SNOW ROOF CABLE	400	2700	140	----	6,50
10641500	----	9-5	KIMA SNOW ROOF CABLE	400	2970	150	----	6,50
10641700	----	9-5	KIMA SNOW ROOF CABLE	400	3410	170	----	6,50
10641850	----	9-5	KIMA SNOW ROOF CABLE	400	3640	185	----	6,50
10641950	----	9-5	KIMA SNOW ROOF CABLE	400	3765	195	----	6,50
10642150	----	9-5	KIMA SNOW ROOF CABLE	400	4235	215	----	6,50
10642450	----	9-5	KIMA SNOW ROOF CABLE	400	4900	245	----	6,50
10642550	----	9-5	KIMA SNOW ROOF CABLE	400	5135	255	----	6,50
10643200	----	9-5	KIMA SNOW ROOF CABLE	400	6375	320	----	6,50
10643650	----	9-5	KIMA SNOW ROOF CABLE	400	7200	365	----	6,50
1064250	----	9-5	KIMA SNOW ROOF CABLE	400	8500	425	----	6,50

CONTENT DECLARATION

Product content	Mass, kg	Post-consumer recycled material, mass-% of product	Biogenic material, mass-% of product	Biogenic material, kg C/product or declared unit
FeCr Alloys	5.8E-05	1.0E+0	0.0E+0	0.0E+0
CuNi alloys	6.1E-03	3.0E+1	0.0E+0	0.0E+0
Copper	8.2E-03	1.88E+1	0.0E+0	0.0E+0
Galvanized steel	1.8E-02	0.0E+0	0.0E+0	0.0E+0
Aluminum	6.2E-04	0.0E+0	0.0E+0	0.0E+0
Polyvinylchloride	1.7E-02	0.0E+0	0.0E+0	0.0E+0
Polyethylene	2.4E-02	0.0E+0	0.0E+0	0.0E+0
Polyethylene terephthalate	4.2E-03	0.0E+0	0.0E+0	0.0E+0
TOTAL	7.8E-02	0.0E+0	0.0E+0	0.0E+0

Packaging materials	Mass, kg	Mass-% (versus the product)	Biogenic material, kg C/declared unit
Polypropylene	1.8E-2	0.0E+0	0.0E+0
Cardboard	9.3E-3	1.2E+1	1.9E-3
Pallet	8.5E-3	1.1E+1	4.0E-3
TOTAL	1.8E-2	2.3E+1	5.9E-3

The content declaration shows the contents per meter of a production-weighted average cable. The mass of the product per declared unit is 78.1 g. 1 kg biogenic carbon in the product/packaging is equivalent to the uptake of 44/12 kg of CO₂.

No hazardous or toxic substances from the candidate list of SVHC for Authorisation are used in the production of the product or contained in the final product or packaging.

LCA INFORMATION

Declared unit: 1 m of installed cable, including use phase, waste treatment and end of life.

Conversion factor to mass if mass is not used as functional/declared unit (not applicable for services): 78.1 g per meter.

Reference service life: Not applicable – modelling used a service life of 20 years.

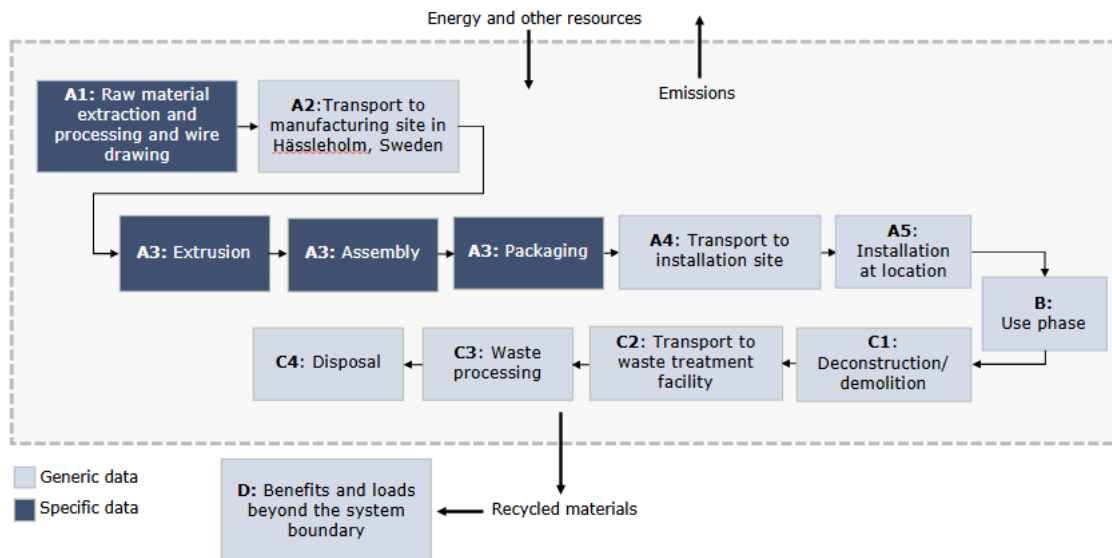
Time representativeness: 2023.

Geographical scope: Europe (modules A, C and D). Norway (Module B).

Database(s) and LCA software used: Ecoinvent 3.11. and Simapro 9.6 with EN 15804 + A2 (adapted-2023) as well as CED V1.00 and the EF 3.1 normalization and weighting set.

Description of system boundaries: Cradle to gate with options, module C1-C4, module D and optional modules A4, A5 & B1-B7.

Process flow diagram: The heating cables are produced in Hässleholm, Sweden. Raw materials and components are assumed to be bought from European suppliers. The manufacturing consists of different process steps before the final product is delivered to customers



The following modules have been assessed:

A1) Raw material/energy demand from extraction

and processing of raw materials; Generation of electricity, steam and heat from primary energy resources, also including their extraction, refining and transport. The material inputs per meter of each cable were collected through the master production system and weighted by production volume to establish an average cable inventory. Materials were matched with data sets from Ecoinvent 3.11.

A2) Transport of raw materials

Transportation of raw materials to production sites. A representative distance of 1000 km by freight truck was used, together with the weight of cable materials with an additional 5% added to represent production waste. The process was modelled using an Ecoinvent 3.11 data set.

A3) Manufacturing

Manufacturing of the finished components (heating cables), production of packaging and treatment of production waste. The manufacturing takes place in Hässleholm in Sweden. First the wires are drawn down to the right size and then bunched together and then insulated with a heat-resistant insulation through extrusion, the conductors are twisted together, a metal braid are added to improve the cables durability and performance and then the cable is covered with an outer sheath. The cable will then be cut to the right length and function before it is assembled, packed and shipped to the customer. Inputs and outputs (electricity, water, lubrication and waste) were allocated per meter from the site total. Materials were matched with data sets from Ecoinvent 3.11.

A4) Transport to installation

Transport of finished components to the installation site. A representative distance of 550 km by freight truck was used, together with the weight of cable and packaging per meter. The process was modelled using an Ecoinvent 3.11 data set. The additional technical information requested for this module under section 7.3 of SS-EN 15804 (SIS Svenska Institutet för Standarder, 2019) is not complete.

Scenario information	Unit	Input per FU
Vehicle type	N/A	16-32t Diesel lorry, EURO6
Distance	km	550
Capacity utilisation incl. empty returns	%	36-18
Bulk density of transported products	kg/m ³	Unknown
Volume capacity utilisation factor	N/A	Unknown

A5) Installation

Installation of the heating cable at the installation site. In order to represent installation waste, 5% of the A1-A3 inventory was added to this module. Apart from these, no use of energy, ancillary materials, water or other resources were modelled as part of this module.

Scenario information	Unit	Input per FU
Ancillary materials required	kg	0
Water use	m ³	0
Other resource use	kg	0
Energy type and consumption	kWh	0

B1) Use

Use of the installed product. The impact of module B1 was assessed to be zero as the product does not release any substance during operation.

B2) Maintenance

Maintenance of the heating cable at the installation site. The impact of module B2 was assessed to be zero as the product does not require maintenance under normal conditions.

B3) Repair

Repairs of the heating cable at the installation site. The impact of module B3 was assessed to be zero as the product does not require repairs under normal conditions.

B4) Replacement

Replacement of the heating cable at the installation site. The impact of module B4 was assessed to be zero as the product does not require replacement under normal conditions.

B5) Refurbishment

Refurbishment of the heating cable. The impact of module B5 was assessed to be zero as the product does not require refurbishment under normal conditions.

B6) Operational energy use

Electricity used by the heating cable during operation. The lifetime energy consumption was calculated per cable. These were weighted by production volume in order to determine the consumption of the average cable. The additional technical information requested for this module under section 7.3 of SS-EN 15804 (SIS Svenska Institutet för Standarder, 2019) is not complete.

Scenario information	Unit	Input per FU
Ancillary materials	kg	0
Net fresh water consumption	m ³	0
Lifetime electricity consumption	kWh	5.1
Power output	kW	N/A*
Efficiency	%	100
Annual running time	h	N/A*
Lifetime	y	20

* These attributes vary between specific cables

B7) Operational water use

Water used by the heating cable during operation. The impact of module B7 was assessed to be zero as the product does not use water.

C1) Deconstruction and demolition

Impacts relating to removing the product at end-of-life. The impact of module C1 was assessed to be zero as the product is easily removed by hand.

C2) Waste transport

Transport of waste products to a waste treatment facility. A representative distance of 100 km by freight truck was used. The process was modelled using an Ecoinvent 3.11 data set.

C3) Waste processing

Sorting and recycling processes. It was assumed that cables would be sorted at a designated sorting station, where the metal wiring would be sent to recycling (sorting and remelting) and the rest incinerated. Materials were matched with data sets from Ecoinvent 3.11.

C4) Waste disposal

Waste disposal processes such as landfilling or incineration. Disposal of ashes from incinerated materials was modelled using an Ecoinvent 3.11 data set.

The additional technical information requested for the end of life stage under section 7.3 of SS-EN 15804 (SIS Svenska Institutet för Standarder, 2019) is not complete.

Scenario information	Unit	Input per FU
Waste collected separately	g	78.1
Waste collected with MCW	g	0
Waste for reuse	g	0
Waste for recycling	g	36.5
Waste for energy recovery	g	41.5
Waste for final deposition	g	2.1
Transportation vehicle	N/A	16-32t Diesel lorry, EURO6
Distance	km	100
Capacity utilisation incl. empty returns	%	36-18
Bulk density of transported products	kg/m ³	Unknown
Volume capacity utilisation factor	N/A	Unknown

D) Potential benefits and loads beyond the system boundary

Benefits and burdens associated with recovery/recycling that affect previous or future life cycles. Benefits outside the system boundary come from the recycling of metals (D1) and incineration of scrap polymers (D3). For D1, it was assumed that 90% of Ferrochrome steel, nickel and copper would be recycled with no significant degradation. The calculation of D3 used the LHV as well as net electrical and thermal energy production reported by Ecoinvent 3.11 for incineration of waste plastic.

Allocation

Manufacturing inputs and outputs (electricity, water, lubricants and waste) were allocated per meter from the site total. The "cut off" principle has been used to allocate recycled materials.

Cut-off criteria

The study followed the cut-off criteria described in EN 15804 (SIS Svenska Institutet för Standarder, 2019) and PCR 2019:14 (The International EPD System, 2025). All inputs and outputs have been included in the calculations

Key assumptions:

- Manufacturing of capital equipment and infrastructure as well as personnel-related processes were excluded for upstream, core and downstream processes.
- For the production of electricity used in the core process (A3), a 100% nuclear is since the company purchases a specific electricity mix.
- Use phase modules excluding B6 were estimated to cause no impact. The energy used by the cable in the use phase (B6) was estimated based on assumptions relating to weather conditions: see scenario description below.
-

The assumptions related to Modules C and D, end-of-life treatment scenarios and credits, represent the most likely scenario based on current practices and technologies available. It was assumed that the metals would be recycled and plastics incinerated as mixed waste.

Use phase scenario:

In order to calculate the energy used by these cables, it was assumed that they will be active on days of precipitation equal to or above 5 mm and temperature equal to or below -2 C. The average number of such days per year were determined using historical weather data for Oslo and Tromsø (Norwegian Meteorological Institute , 2025). It was assumed that the cable would run at full power for 7.8 hours on such days, giving an annual runtime of 168.5 hours, average between the two locations. The service life of these cables was assumed to be 20 years: after weighting by production, the average product was calculated to use 101.1 kWh/m. The electricity was represented using the following dataset:

[Electricity, medium voltage {NO}] market for electricity, medium voltage | Cut-off, S].

Modules declared, geographical scope, share of primary data (in GWP-GHG results) and data variation (in GWP-GHG results):

	Product stage			Distribution/ installation stage		Use stage							End-of-life stage			Beyond product life cycle		
	Raw material supply	Transport	Manufacturing	Transport	Construction installation	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential	
Module	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D	
Modules declared	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Geography	GLO/ EUR	EUR	SE	SE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	EUR	
Share of primary data	21%					-	-	-	-	-	-	-	-	-	-	-	-	
Variation – products	71%					-	-	-	-	-	-	-	-	-	-	-	-	
Variation – sites	0%					-	-	-	-	-	-	-	-	-	-	-	-	

Declaration of data sources, reference years, data categories, and share of primary data:

Process	Source type	Source	Reference year	Data category	Share of primary data, of GWP-GHG results for A1-A3
Production of materials	Database	Ecoinvent v3.11	2023	Secondary	0%
Transportation of materials	Database	Ecoinvent v3.11	2023	Secondary	6.0%
Manufacturing of product	Collected	KIMA	2023	Primary	21.4%
Total share of primary data, of GWP-GHG results for A1-A3					27.4%

Modules A1 and A3 were modelled using a site specific life cycle inventory of inputs and outputs calculated by the production system.

The share of primary data is calculated based on GWP-GHG results. It is a simplified indicator for data quality that supports the use of more primary data, to increase the representativeness of and comparability between EPDs. Note that the indicator does not capture all relevant aspects of data quality and is not comparable across product categories.

Data quality assessment

The quality of the generic data used has been assessed according to the UN Environment Global Guidance on LCA database development's criteria for data quality assessment, as described in Table E.1 in SS-EN 15804:2012+A2:2019 (SIS Svenska Institutet för Standarder, 2019). In general, the data quality is considered good in this assessment. The evaluation categories used to assess data quality range from very good to very poor, with no data falling into the "very poor" category in this assessment.

Variation

For an EPD of multiple products that does not claim compliance with ISO 21930, variations above 10% are allowed. In such cases, the EPD shall declare the variation of each impact indicator results for which the variation is above 10% and include an explanation of the variation. In this case, the variation is above 10% for several indicators indicators due to variations in packaging amounts relative to the functional unit.

Indicator	Variation
Climate change - Fossil	47%
Climate change - Biogenic	1766%
Climate change - Land use and LU change	48%
Climate change	46%
Ozone depletion	70%
Acidification	43%
Eutrophication, freshwater	43%
Eutrophication, marine	45%
Eutrophication, terrestrial	44%
Photochemical ozone formation	44%
Resource use, minerals and metals	41%
Resource use, fossils	45%
Water use	46%
Particulate matter	57%
Ionising radiation	50%
Ecotoxicity, freshwater	42%
Human toxicity, cancer	52%
Human toxicity, non-cancer	43%
Land use	50%
GWP-GHG	47%

The variation was calculated following the method described by the GPI 5.0.1. The figures relate to the variation between the declared product and the highest-impact variant per indicator.

ENVIRONMENTAL PERFORMANCE

LCA results of the product(s) - main environmental performance results

Mandatory impact category indicators according to EN 15804

Results per functional or declared unit																
Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-fossil	kg CO ₂ eq.	2.95E-01	9.68E-03	2.40E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.97E+00	0.00E+00	0.00E+00	1.46E-03	1.11E-01	7.33E-04	- 3.32E-02
GWP-biogenic	kg CO ₂ eq.	- 1.56E-02	6.73E-06	1.33E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.54E-02	0.00E+00	0.00E+00	1.01E-06	1.45E-03	1.14E-05	- 1.01E-04
GWP-luluc	kg CO ₂ eq.	4.92E-04	3.26E-06	2.51E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.58E-02	0.00E+00	0.00E+00	4.91E-07	6.61E-06	1.75E-07	- 7.61E-05
GWP-total	kg CO ₂ eq.	2.80E-01	9.69E-03	3.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E+00	0.00E+00	0.00E+00	1.46E-03	1.12E-01	7.45E-04	- 3.34E-02
ODP	kg CFC 11 eq.	2.59E-09	4.82E-12	1.32E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-08	0.00E+00	0.00E+00	7.25E-13	8.12E-12	9.91E-14	- 5.34E-11
AP	mol H ⁺ eq.	9.88E-03	2.08E-05	5.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.55E-02	0.00E+00	0.00E+00	3.13E-06	4.81E-05	1.84E-06	- 1.95E-03
EP-freshwater	kg P eq.	7.89E-04	6.72E-07	4.02E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.32E-03	0.00E+00	0.00E+00	1.01E-07	1.32E-06	1.88E-06	- 7.53E-05
EP-marine	kg N eq.	6.24E-04	5.01E-06	3.75E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.49E-03	0.00E+00	0.00E+00	7.54E-07	2.07E-05	5.66E-07	- 6.12E-05
EP-terrestrial	mol N eq.	7.99E-03	5.41E-05	4.36E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.09E-02	0.00E+00	0.00E+00	8.14E-06	1.82E-04	6.13E-06	- 7.04E-04
POCP	kg NMVOC eq.	2.43E-03	3.30E-05	1.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-02	0.00E+00	0.00E+00	4.96E-06	5.01E-05	1.84E-06	- 3.21E-04
ADP-minerals&metals*	kg Sb eq.	1.17E-04	3.33E-08	5.85E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.88E-04	0.00E+00	0.00E+00	5.00E-09	2.38E-08	8.61E-10	- 5.09E-06
ADP-fossil*	MJ	3.41E+00	1.10E-02	1.72E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.01E+01	0.00E+00	0.00E+00	1.65E-03	2.00E-02	1.39E-03	- 2.06E-01
WDP*	m ³	7.94E-02	5.41E-04	5.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E+00	0.00E+00	0.00E+00	8.13E-05	8.87E-04	9.36E-05	- 8.04E-02
Acronyms	GWP-fossil = Global Warming Potential fossil fuels; GWP-biogenic = Global Warming Potential biogenic; GWP-luluc = Global Warming Potential land use and land use change; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential, Accumulated Exceedance; EP-freshwater = Eutrophication potential, fraction of nutrients reaching freshwater end compartment; EP-marine = Eutrophication potential, fraction of nutrients reaching marine end compartment; EP-terrestrial = Eutrophication potential, Accumulated Exceedance; POCP = Formation potential of tropospheric ozone; ADP-minerals&metals = Abiotic depletion potential for non-fossil resources; ADP-fossil = Abiotic depletion for fossil resources potential; WDP = Water (user) deprivation potential, deprivation-weighted water consumption															

* Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high and there is limited experience with the indicator.

Additional mandatory and voluntary impact category indicators

Results per functional or declared unit																
Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
GWP-GHG ¹	kg CO ₂ eq.	2.97E-01	9.69E-03	2.47E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.02E+00	0.00E+00	0.00E+00	1.46E-03	1.12E-01	7.33E-04	-3.34E-02
Particulate matter emissions (PM)	Disease incidence	5.97E-08	7.26E-10	3.10E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-07	0.00E+00	0.00E+00	1.09E-10	8.89E-10	1.63E-11	-4.73E-09
Ionizing radiation, human health (IRP)**	kBq U235 eq.	4.55E-01	1.66E-04	2.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.39E+00	0.00E+00	0.00E+00	2.50E-05	1.84E-04	2.34E-05	-4.31E-03
Eco-toxicity - freshwater (ETP-fw)*	CTUe	1.10E+01	1.85E-02	5.96E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E+01	0.00E+00	0.00E+00	2.78E-03	2.44E-01	2.53E-02	-1.19E+00
Human toxicity, cancer effect (HTP-c)*	CTUh	1.50E-09	1.62E-12	8.52E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-09	0.00E+00	0.00E+00	2.43E-13	1.38E-11	3.59E-11	-3.83E-11
Human toxicity, non-cancer effects (HTP-nc)*	CTUh	9.43E-08	8.64E-11	4.87E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.18E-07	0.00E+00	0.00E+00	1.30E-11	9.49E-10	1.17E-10	-7.21E-10
Land use related impacts/Soil quality (SQP)*	dimensionless	5.99E+00	8.26E-02	3.10E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.33E+01	0.00E+00	0.00E+00	1.24E-02	6.31E-02	4.36E-03	-2.79E-01

The estimated impact results are only relative statements, which do not indicate the endpoints of the impact categories, exceeding threshold values, safety margins and/or risks. The results of the end-of-life stage (modules C1-C4) should be considered when using the results of the product stage (modules A1-A3).

* Disclaimer: The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

** Disclaimer: This impact category deals mainly with the eventual impact of low-dose ionising radiation on human health from the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionising radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

¹ This indicator accounts for all greenhouse gases except biogenic carbon dioxide uptake and emissions and biogenic carbon stored in the product. As such, the indicator is identical to GWP-total except that the CF for biogenic CO₂ is set to zero.

Resource use indicators

Results per functional or declared unit																
Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
PERE	MJ	1,16E+00	2,27E-03	5,86E-02	4,16E+02	0,00E+00	3,42E-04	4,13E-03	2,28E-04	0,00E+00	1,16E+00	2,27E-03	5,86E-02	4,16E+02	0,00E+00	3,42E-04
PERM	MJ	1,40E-01	0,00E+00	-4,21E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,40E-01	0,00E+00	-4,21E-02	0,00E+00	0,00E+00	0,00E+00
PERT	MJ	1,30E+00	2,27E-03	1,66E-02	4,16E+02	0,00E+00	3,42E-04	4,13E-03	2,28E-04	0,00E+00	1,30E+00	2,27E-03	1,66E-02	4,16E+02	0,00E+00	3,42E-04
PENRE	MJ	3,49E+00	1,15E-02	1,77E-01	3,09E+01	0,00E+00	1,72E-03	2,09E-02	1,45E-03	0,00E+00	3,49E+00	1,15E-02	1,77E-01	3,09E+01	0,00E+00	1,72E-03
PENRM	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-4,82E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	MJ	3,49E+00	1,15E-02	1,77E-01	3,09E+01	0,00E+00	1,72E-03	-4,61E-01	1,45E-03	0,00E+00	3,49E+00	1,15E-02	1,77E-01	3,09E+01	0,00E+00	1,72E-03
SM	kg	5.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NRSF	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FW	m ³	6.29E-03	2.05E-05	2.91E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.22E-02	0.00E+00	0.00E+00	3.09E-06	1.71E-04	1.84E-08	0.00E+00
Acronyms	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy re-sources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water															

Option B was used to show energy use. However, a specific energy profile for waste incineration could not be established, as the product is marketed to consumers; instead, secondary (Ecoinvent 3.11) values for net energy production were used.

Waste indicators

Results per functional or declared unit																
Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Hazardous waste disposed	kg	0.00E+00	0.00E+00	1.20E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Non-hazardous waste disposed	kg	4.25E-04	0.00E+00	4.25E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-03	0.00E+00
Radioactive waste disposed	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Output flow indicators

Results per functional or declared unit																
Indicator	Unit	A1-A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
Components for re-use	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Material for recycling	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.91E-02	0.00E+00	0.00E+00
Materials for energy recovery	kg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Exported energy, electricity	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.76E-01	0.00E+00	0.00E+00
Exported energy, thermal	MJ	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.44E-01	0.00E+00	0.00E+00

ADDITIONAL ENVIRONMENTAL INFORMATION

During the work with the EPD, no factors have been identified that would prevent meeting the requirements of BASTA, Sunda Hus, and the Byggsvarubedömningen. For example, no dangerous substances from the candidate list of SVHC for Authorisation are used in the production or the final product. However, to achieve certification according to these assessments, further review and safety data sheets are required.

The calculations for climate data in this EPD are aligned with BREEAM. Regarding the product's lifespan, it is recommended to follow the specifications in the BREEAM manual. The product is not expected to be subject to emissions assessments. No occurrence of phase-out substances has been found during the implementation of the EPD, but further review is required if the product is to be used under a BREEAM certificate.

Svanen has currently no criteria for this product group.

Validity

In accordance with section 2.2.4 of the PCR, KIMA Cable AB commits to maintaining EPD validity through continuous monitoring of relevant changes, including e.g. product composition, manufacturing processes, supply chains and end-of-life regulations.

Kima Cable AB commits to purchase contractual instruments representing the renewable electricity mix used to develop this EPD for the validity period of the EPD.

ABBREVIATIONS.

Abbreviation	Definition
General Abbreviations	
EN	European Norm (Standard)
EF	Environmental Footprint
GPI	General Programme Instructions
ISO	International Organization for Standardization
CEN	European Committee for Standardization
CLC	Co-location centre
CPC	Central product classification
GHS	Globally harmonized system of classification and labelling of chemicals
GRI	Global Reporting Initiative
SVHC	Substances of Very High Concern
ND	Not Declared

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VERSION HISTORY

Original Version of the EPD, 2026-04-29

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