



SmartEPD-2026-001-0729-01

EPR / CTS / PVC Power, Type MV-105, 5kV–35kV, Silicone- and PFAS-Free Series G (Aluminum Conductors)

Date of Issue

Expiration date

Last updated

Jan 12, 2026

Jan 12, 2031

Jan 08, 2026

Refer to the EPD Library at www.smartepd.com for the latest EPD listing information



General Information

LS Cable & System USA

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Product Name:	EPR / CTS / PVC Power, Type MV-105, 5kV–35kV, Silicone- and PFAS-Free Series G (Aluminum Conductors)
Functional Unit:	1 m
Declaration Number:	SmartEPD-2026-001-0729-01
Date of Issue:	January 12, 2026
Expiration:	January 12, 2031
Last updated:	January 08, 2026
EPD Scope:	Cradle to gate with other options A1 - A3, A4, A5, C1 - C4, D
Market(s) of Applicability:	North America

General Organization Information

LS Cable & System, headquartered in Anyang, South Korea, was established in May 1962 and is a worldwide leader in medium voltage, high voltage and extra high voltage underground cable as well as low voltage and medium voltage busway. With 21 subsidiary companies throughout the world, LS has more than 60 factories, sales and production sites in 20 countries. In April 2017, the LS Group acquired the Energy Division of Superior Essex to create a subsidiary under the LS Cable & System umbrella.

Today, LS Cable & System USA is a leading US manufacturer and supplier of electrical products serving the commercial, industrial, renewable and utility markets. Product offering includes Low Voltage power cable for your industrial or utility power or station control circuits; Medium Voltage 5kV through 46kV power cable for wind and solar applications, as well as primary power and distribution circuits; busway offered in low voltage and medium voltage in full compliance with US industry standards.

Further information can be found at: <https://lscsusa.com/about>

Limitations, Liability, and Ownership

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

The environmental impact results of products in this document are based on a declared unit and therefore do not provide sufficient information to establish comparisons. The results shall not be used for comparisons without knowledge of how the physical properties of the product impact the precise function at the construction level. The environmental impact results shall be converted to a functional unit basis before any comparison is attempted.



Comparison of the environmental performance of construction products using the EPD shall consider all the relevant information modules over the full life cycle of the products within the construction works. Such a comparison requires scenarios in the construction works context. Comparisons are possible at the sub-construction works level, for example for assembled systems, components or services for one or more life cycle stages, provided they meet requirements as outline in ISO 21930 5.5. Information has been provided as transparently as possible in this project report to allow a clear understanding of the limitations of comparability.

Much of the data utilized for this EPD is based on information supplied by the manufacturer. TrueNorth Collective is not responsible for the accuracy, completeness, or reliability of the data provided by the manufacturer or any information or conclusions derived therefrom.













Environmental declarations from different programs (ISO 14025) may not be comparable. Comparison of the environmental performance of products using EPD information shall be based on the product's use and impacts at the building or construction works level, and therefore EPDs may not be used for comparability purposes when not considering the whole building life cycle. EPD comparability is only possible when all stages of a life cycle have been considered. However, variations and

deviations are possible. Example of variations: Different LCA software and background LCI datasets may lead to differences in results upstream or downstream of the life cycle stages declared.

Reference Standards

Standard(s):	ISO 14025 and ISO 21930:2017
Core PCR:	Smart EPD® Part A Product Category Rules for Building and Construction Products and Services, 1000, v1.2 Date of issue: March 14, 2025
Sub-category PCR:	Smart EPD® Part B PCR for Electrical Cables and Wires, 1000-007, v1 (adapted from EPD Norge) v.1.0 Date of issue: April 02, 2025 Valid until: April 02, 2028
Sub-category PCR review panel:	 Contact Smart EPD for more information.
General Program Instructions:	 Smart EPD General Program Instructions v.2.0, March 2025

Verification Information

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EPD Program Operator:	 Smart EPD  info@smartepd.com  www.smartepd.com  585 Grove St., Ste. 145, Herndon, VA 20170, USA
Verification:	Independent critical review of the LCA and data, according to ISO 14044 and ISO 14071:  Rifat Karim  Independent Consultant  rifat.chimique@gmail.com External
	Independent external verification of EPD, according to ISO 14025 and reference PCR(s):  Rifat Karim  Independent Consultant  rifat.chimique@gmail.com External

Product Information

Functional Unit:	1 m
Mass:	1 kg
Reference Service Life:	75 Years
Product Specificity:	<input checked="" type="checkbox"/> Product Average <input checked="" type="checkbox"/> Product Specific

Product Description

Medium Voltage, EPR/Cu Tape Shield/PVC, Type MV-105 cable consists of Aluminum Class B stranded conductors, covered with ethylene propylene rubber (EPR), copper tape shield, and black PVC jacket. These cables are used in industrial power circuits.

Applications

- In conduit, duct, free air, and raceways, primary installations include cable trays, and outdoor locations
- In direct burial if installed in a system with a ground conductor that is in close proximity, and conforms with NEC 250.4 (A)(5)

- In wet or dry locations
- Approved for Class I, Div. 2 industrial hazardous locations per NEC
- Designed to operate continuously at a conductor temperature not exceeding:
 - 105C for normal operations
 - 140C for emergency overload
 - 250C for short circuit

Further information can be found at: <https://lscusa.com/products/mv/105>

Product Specifications

Product SKU(s):

Aluminum Unfilled/Filled Cdr 5kV 100% I.L., 90 mils, Shielded

- G5KAEP-02AB-1CZ-T5Z-Z
- G5KAEP-01AB-1CZ-T5Z-Z
- G5KAEP-1AAB-1CZ-T5Z-Z
- G5KAEP-2AAB-1CZ-T5Z-Z
- G5KAEP-3AAB-1CZ-T5Z-Z
- G5KAEP-4AAB-1CZ-T5Z-Z
- G5KAEP-25AB-1CZ-T5Z-Z
- G5KAEP-35AB-1CZ-T5Z-Z
- G5KAEP-50AB-1CZ-T5Z-Z
- G5KAEP-75AB-1CZ-T5Z-Z
- G5KAEP-A1AB-1CZ-T5Z-Z

Aluminum Unfilled/Filled Cdr 5kV 133%/8kV 100% I.L., 115 mils, Shielded

- G5KBEP-02AB-1CZ-T5Z-Z
- G5KBEP-01AB-1CZ-T5Z-Z
- G5KBEP-1AAB-1CZ-T5Z-Z
- G5KBEP-2AAB-1CZ-T5Z-Z
- G5KBEP-3AAB-1CZ-T5Z-Z
- G5KBEP-4AAB-1CZ-T5Z-Z
- G5KBEP-25AB-1CZ-T5Z-Z
- G5KBEP-35AB-1CZ-T5Z-Z
- G5KBEP-50AB-1CZ-T5Z-Z
- G5KBEP-75AB-1CZ-T5Z-Z
- G5KBEP-A1AB-1CZ-T5Z-Z

Aluminum Unfilled/Filled Cdr 15kV 100% I.L., 175 mils, Shielded

- G15AEP-02AB-1CZ-T5Z-Z
- G15AEP-01AB-1CZ-T5Z-Z
- G15AEP-1AAB-1CZ-T5Z-Z
- G15AEP-2AAB-1CZ-T5Z-Z
- G15AEP-3AAB-1CZ-T5Z-Z
- G15AEP-4AAB-1CZ-T5Z-Z

**EPR / CTS / PVC Power, Type MV-105, 5kV–35kV, Silicone- and PFAS-Free Series
G (Aluminum Conductors)**

LS Cable & System USA



- G15AEP-25AB-1CZ-T5Z-Z
- G15AEP-35AB-1CZ-T5Z-Z
- G15AEP-50AB-1CZ-T5Z-Z
- G15AEP-75AB-1CZ-T5Z-Z
- G15AEP-A1AB-1CZ-T5Z-Z

Aluminum Unfilled/Filled Cdr 15kV 133% I.L., 220 mils, Shielded

- G15BEP-02AB-1CZ-T5Z-Z
- G15BEP-01AB-1CZ-T5Z-Z
- G15BEP-1AAB-1CZ-T5Z-Z
- G15BEP-2AAB-1CZ-T5Z-Z
- G15BEP-3AAB-1CZ-T5Z-Z
- G15BEP-4AAB-1CZ-T5Z-Z
- G15BEP-25AB-1CZ-T5Z-Z
- G15BEP-35AB-1CZ-T5Z-Z
- G15BEP-50AB-1CZ-T5Z-Z
- G15BEP-75AB-1CZ-T5Z-Z
- G15BEP-A1AB-1CZ-T5Z-Z

Aluminum Unfilled/Filled Cdr 25kV 100% I.L., 260 mils, Shielded

- G25AEP-1AAB-1CZ-T5Z-Z
- G25AEP-2AAB-1CZ-T5Z-Z
- G25AEP-3AAB-1CZ-T5Z-Z
- G25AEP-4AAB-1CZ-T5Z-Z
- G25AEP-25AB-1CZ-T5Z-Z
- G25AEP-35AB-1CZ-T5Z-Z
- G25AEP-50AB-1CZ-T5Z-Z
- G25AEP-75AB-1CZ-T5Z-Z
- G25AEP-A1AB-1CZ-T5Z-Z

Aluminum Unfilled/Filled Cdr 25kV 133% I.L., 320 mils, Shielded

- G25BEP-1AAB-1CZ-T5Z-Z
- G25BEP-2AAB-1CZ-T5Z-Z
- G25BEP-3AAB-1CZ-T5Z-Z
- G25BEP-4AAB-1CZ-T5Z-Z
- G25BEP-25AB-1CZ-T5Z-Z
- G25BEP-35AB-1CZ-T5Z-Z
- G25BEP-50AB-1CZ-T5Z-Z
- G25BEP-75AB-1CZ-T5Z-Z
- G25BEP-A1AB-1CZ-T5Z-Z

Aluminum Unfilled/Filled Cdr 35kV 100% I.L., 345 mils, Shielded

- G35AEP-1AAB-1CZ-T5Z-Z
- G35AEP-2AAB-1CZ-T5Z-Z
- G35AEP-3AAB-1CZ-T5Z-Z
- G35AEP-4AAB-1CZ-T5Z-Z
- G35AEP-25AB-1CZ-T5Z-Z

- G35AEP-35AB-1CZ-T5Z-Z
- G35AEP-50AB-1CZ-T5Z-Z
- G35AEP-75AB-1CZ-T5Z-Z
- G35AEP-A1AB-1CZ-T5Z-Z

Aluminum Unfilled/Filled Cdr 35kV 133% I.L., 420 mils, Shielded

- G35BEP-1AAB-1CZ-T5Z-Z
- G35BEP-2AAB-1CZ-T5Z-Z
- G35BEP-3AAB-1CZ-T5Z-Z
- G35BEP-4AAB-1CZ-T5Z-Z
- G35BEP-25AB-1CZ-T5Z-Z
- G35BEP-35AB-1CZ-T5Z-Z
- G35BEP-50AB-1CZ-T5Z-Z
- G35BEP-75AB-1CZ-T5Z-Z
- G35BEP-A1AB-1CZ-T5Z-Z

Product Classification Codes:

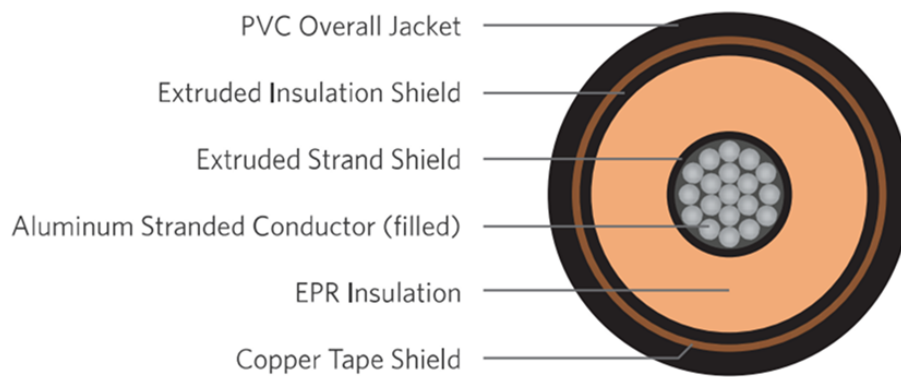
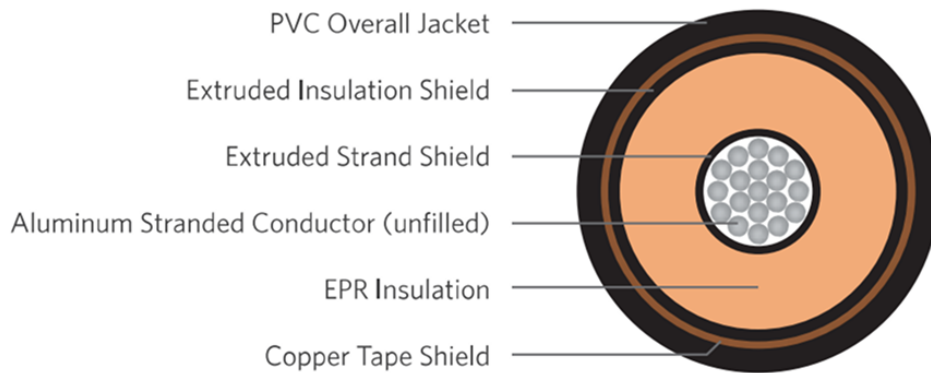
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EC3 - ElectricalTransmissionAndDistributionEquipment -> PowerCabling

Product Composition Diagram



Unfilled



Material Composition

Material/Component Category	Origin	% Mass
Black PVC Jacketing	USA	18 to 26

EPR / CTS / PVC Power, Type MV-105, 5kV–35kV, Silicone- and PFAS-Free Series G (Aluminum Conductors)

LS Cable & System USA



Copper Tape Shielding	USA	7 to 17
Ethylene Propylene Rubber (EPR)	USA	38 to 39
Aluminum Conductor	USA	19 to 37

Packaging Material	Origin	kg Mass
Wooden Reel	USA	0.139

Biogenic Carbon Content	kg C per m
Biogenic carbon content in product	None
Biogenic carbon content in accompanying packaging	0.069

Hazardous Materials
No regulated hazardous or dangerous substances are included in this product.

EPD Data Specificity

- Primary Data Year:** 2024
- Manufacturing Specificity:**
- Industry Average
 - Manufacturer Average
 - Facility Specific

Averaging:

Averaging of was not conducted for publishing product specific EPD results. Product specific saling factor tables were provided to extrapolate of environmental impacts to any standard cable length using the product's weight per meter and the normalized impact at 1 kg per declared unit.

This study covers all products included in the product family EPR / CTS / PVC Power, Type MV-105, 5kV35kV, Silicone- and PFAS-Free Series G (Aluminum Conductors). To establish normalized impacts per declared unit, two representative productsthe smallest and largest sizes from the product familywere modeled in detail. Based on these results, scaling factor tables were developed to enable straightforward extrapolation of environmental impacts to any standard cable length using the product's weight per meter.

System Boundary

Production	A1	Raw material supply	✓
	A2	Transport	✓
	A3	Manufacturing	✓
Construction	A4	Transport to site	✓
	A5	Assembly / Install	✓

EPR / CTS / PVC Power, Type MV-105, 5kV-35kV, Silicone- and PFAS-Free Series G (Aluminum Conductors)

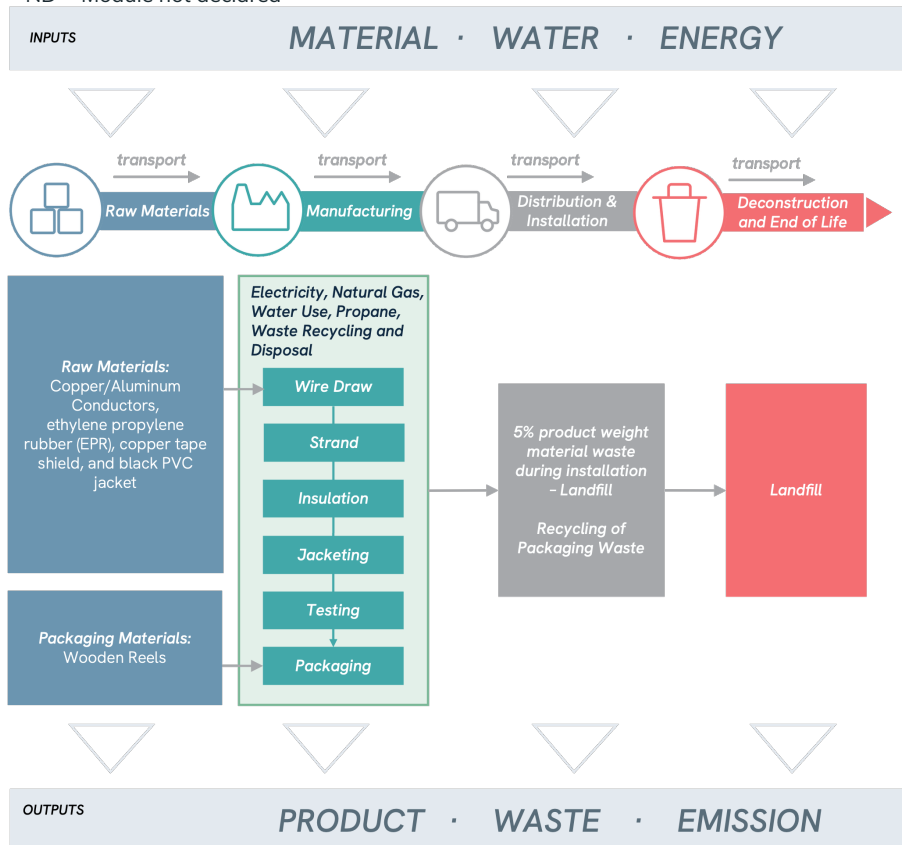
LS Cable & System USA




Use	B1	Use	ND
	B2	Maintenance	ND
	B3	Repair	ND
	B4	Replacement	ND
	B5	Refurbishment	ND
	B6	Operational Energy Use	ND
	B7	Operational Water Use	ND
End of Life	C1	Deconstruction	✓
	C2	Transport	✓
	C3	Waste Processing	✓
	C4	Disposal	✓
Benefits & Loads Beyond System Boundary	D	Recycling, Reuse Recovery Potential	✓

Note:

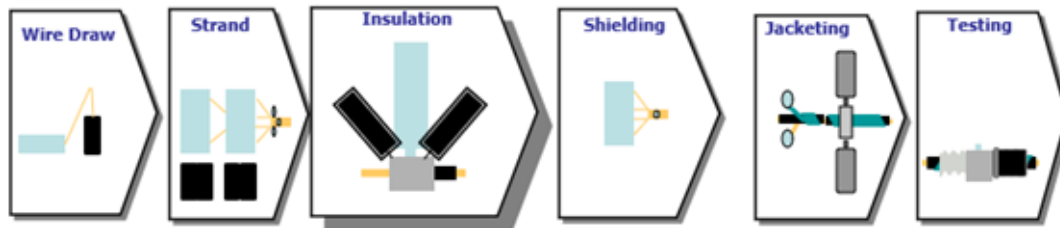
ND = Module not declared



Plants

 LS Cable (Cable Manufacturing Facilities)
2801 Anaconda Road, Tarboro, NC, USA








Product Flow Diagram



Medium-voltage cables manufactured by LS Cable & System USA at the Tarboro, NC facility are produced through a series of wire drawing, stranding, insulating, shielding, and jacketing operations. The aluminum or copper conductor is first drawn and stranded to the specified gauge. The conductor is then covered with EPR insulation, conductor and insulation shielding, a copper tape shield, and finally a PVC outer jacket.

All products are manufactured at the LS Cable & System USA facility in Tarboro, NC. This facility also manufactures other products that are excluded from this study. But the manufacturing processes are essentially the same. Most plant inputs and outputs were assigned across total production volume (including out-of-scope products) using mass-based allocation. Subdivision for product and packaging raw material inputs and scrap amounts was made possible through product bills of materials (BOMs). Once the product has been manufactured, the medium voltage cables are packaged and shipped directly to the end customer.

Software and Database

LCA Software:	 SimaPro v. 10.2
LCI Foreground Database(s):	 Ecoinvent v. 3.11  RoW  Cut-Off by Classification
LCI Background Database(s):	 Ecoinvent v. 3.11  RoW  Cut-Off by Classification

A foreground LCI database is the database used to model the primary, site-specific data collected for this EPD. A background LCI database is the database used to model generic or non-specific data.

Data Quality

Temporal, Geographic, and Technological Coverage

Primary data are collected for medium voltage cable manufactured by LS Cable & System in its facility in Tarboro, NC for calendar year 2024, and associated LS Cable & System USA's value chain. No additional requirements for technology coverage.

Precision and Completeness

Foreground data were sourced from primary information provided by the client and has been reviewed internally to ensure precision and completeness. In order to balance out seasonal variations, operations data over a 12-month period, corresponding to the 2024 calendar year, was used to represent production activities. All products in scope are manufactured in the same facility and share the same manufacturing processes. Manufacturing input and output were assigned across total production volume using mass-based allocation. Subdivision for product and packaging raw material inputs and scrap amounts was made possible through product

EPR / CTS / PVC Power, Type MV-105, 5kV–35kV, Silicone- and PFAS-Free Series G (Aluminum Conductors)

LS Cable & System USA



bills of materials (BOMs). In addition, key model inputs such as mass balance, energy balance and emission inventory were reviewed by the Parallel and TrueNorth Collective teams.

Ecoinvent v3.11 was used as the database for background data. This version was published in 2024 and the chosen datasets encompass data collection periods ending no earlier than 2022. Ecoinvent is widely used in research and industry to support life cycle assessment practices. Each version of this database goes through thorough review process and documentation of precision and completeness is available by the provider.

Exceptions

There were no exceptions in inclusion of value-add activities. Process-specific inputs such as extrusion additives, cooling water treatment chemicals, or lubricants were not individually metered; their contributions are expected to be < 1 % of total mass and energy and therefore are considered immaterial. No other known flows are excluded from the study.

Consistency and Reproducibility

Primary data were collected at the same level of granularity and from existing sources that are reported annually, so the consistency is assumed to be high. All input and output information, modelling assumptions and dataset choices are provided in this report for the purpose of reproducibility.

Representativeness

The representativeness of the datasets is chosen to be representative of North America, average technologies of the major producers and distributors and are of recent and modern vintage.

Data Sources

Material/Process Category	Module	Material/Process Name	Inventory Dataset Name	Dataset Geographic Region	Reporting Period/Year Dataset Represents	Reference	Amount (if relevant)	Unit
Raw Materials	A1	Copper	Copper, cathode (GLO)] market for copper, cathode Cut-off, U	GLO	2024/2025	EI 3.11	ND	ND
Raw Materials	A1	Aluminum	Aluminium, primary, ingot (CA)] aluminium production, primary, ingot Cut-off, U	CA	2024/2025	EI 3.11	ND	ND
Raw Materials	A1	Polyethylene	Ethylene (US)] propylene production, from propane dehydrogenation Cut-off, U	US	2024/2025	EI 3.11	ND	ND
Raw Materials	A1	Polyvinyl chloride	Polyvinyl chloride, suspension polymerised (RoW)] polyvinyl chloride production, suspension polymerisation Cut-off, U	RoW	2024/2025	EI 3.11	ND	ND
Raw Materials Transportation	A2	Truck	Transport, freight, lorry, 16-32 metric ton, diesel, EURO 4 (RoW)] transport, freight, lorry, 16-32 metric ton, diesel, EURO 4 Cut-off, U	RoW	2024/2025	EI 3.11	ND	ND
Manufacturing	A3	Electricity	Electricity, medium voltage (US-SERC)] market for electricity, medium voltage Cut-off, U	US-SERC	2024/2025	EI 3.11	ND	ND
Product Distribution	A4	Truck	Transport, freight, lorry, 16-32 metric ton, diesel, EURO 4 (RoW)] transport, freight, lorry, 16-32 metric ton, diesel, EURO 4 Cut-off, U	RoW	2024/2025	EI 3.11	ND	ND
Installation	A5	Copper	Copper, cathode (GLO)] market for copper, cathode Cut-off, U	GLO	2024/2025	EI 3.11	ND	ND
Installation	A5	Aluminum	Aluminium, primary, ingot (CA)] aluminium production, primary, ingot Cut-off, U	CA	2024/2025	EI 3.11	ND	ND
Installation	A5	Polyethylene	Ethylene (US)] propylene production, from propane dehydrogenation Cut-off, U	US	2024/2025	EI 3.11	ND	ND
Installation	A5	Polyvinyl chloride	Polyvinyl chloride, suspension polymerised (RoW)] polyvinyl chloride production, suspension polymerisation Cut-off, U	RoW	2024/2025	EI 3.11	ND	ND
Installation	A5	Electricity	Electricity, medium voltage (US-SERC)] market for electricity, medium voltage Cut-off, U	US-SERC	2024/2025	EI 3.11	ND	ND
End-of-Life Transportation	C2	Truck	Transport, freight, lorry, 16-32 metric ton, diesel, EURO 4 (RoW)] transport, freight, lorry, 16-32 metric ton, diesel, EURO 4 Cut-off, U	RoW	2024/2025	EI 3.11	ND	ND
Disposal	C4	Landfill	Municipal solid waste (RoW)] treatment of municipal solid waste, sanitary landfill Cut-off, U	RoW	2024/2025	EI 3.11	ND	ND

Potential Loads and Benefits Beyond the System	Module D	Copper Recycling Burden	Copper, cathode (RoW) treatment of copper scrap by electrolytic refining Cut-off, U	RoW	2024/2025	EI 3.11	ND	ND
Potential Loads and Benefits Beyond the System	Module D	Aluminum Recycling Burden	Aluminium, cast alloy (RoW) treatment of aluminium scrap, new, at re-finer Cut-off, U	RoW	2024/2025	EI 3.11	ND	ND
Potential Loads and Benefits Beyond the System	Module D	Aluminum Substitution	Aluminium, primary, ingot (CA) aluminium production, primary, ingot Cut-off, U	CA	2024/2025	EI 3.11	ND	ND
Potential Loads and Benefits Beyond the System	Module D	Copper Substitution	Copper, cathode (GLO) electrorefining of copper, anode Cut-off, U	RoW	2024/2025	EI 3.11	ND	ND

Life Cycle Module Descriptions

A cradle-to-gate with options (cradle-to-construction and end-of-life) system boundary was adopted for the study. The minimum system boundary per the PCR is cradle-to-gate with modules A1-A3, covering supplied raw materials and associated energy, water, and transport required for the raw materials (A1), transport from suppliers to LS Cable & System USA (A2), and production of manufactured products (which includes associated energy purchases, processing chemicals, ancillary materials, and water) and the associated packaging and transport (A3). Transportation of medium voltage to customer (A4) and Installation (A5) are also included. The installation in module A5 include waste treatment of packaging and wastage of material during installation (5% loss). The energy use and surface treatment products are minimal and excluded from the study. Additionally, the end-of-life stage shall be declared, encompassing modules C1 (deconstruction), C2 (transport), C3 (waste processing), and C4 (disposal). Module D must also be declared, specifying potential loads and benefits of secondary material, secondary fuel or recovered energy leaving the product system based on scenarios.

LCA Discussion

Allocation Procedure

Allocation of secondary data taken from ecoinvent v3.11 cut-off by classification has allocation applied to it.

All products included in the study are manufactured at the LS Cable & System USA facility in Tarboro, NC. This facility also manufactures other products that are excluded from this study, but the manufacturing processes are essentially the same. Most plant inputs and outputs were assigned across total production volume (including out-of-scope products) using mass-based allocation. Subdivision for product and packaging raw material inputs and scrap amounts was made possible through product bills of materials (BOMs).

This study uses the cut-off method for recycling. According to this approach, the first life of a material bears the environmental burdens of its production (e.g., raw material extraction and processing) and the second life (e.g., scrap input) bears the burdens of refurbishment (e.g., collection and refining of scrap). The burdens from waste treatment are taken on by the next life of the product and potential benefits and loads related to recovered materials crossing the system boundary are addressed in Module D.

Given that raw materials are key contributors to environmental performance, mass-based allocation of plant utility consumption, resource use and waste generation was applied for the facility, where all products in this study are manufactured.

Cut-off Procedure

For the processes within the system boundary, all energy and material flows were included in the model. Process-specific inputs such as extrusion additives, cooling water treatment chemicals, or lubricants were not individually metered; their contributions are expected to be < 1 % of total mass and energy and therefore are considered immaterial. No other known flows were excluded. All upstream and downstream activities were included using a combination of primary and secondary data. While most inventory data were sourced from primary resources, representative proxies were used to close gaps in the absence of primary data.

Renewable Electricity

Energy Attribute Certificates (EACs) such as Renewable Energy Certificates (RECs) or Power Purchase Agreements (PPAs) are included in the baseline reported results:

✗ No

Scenarios

Transport to the building/construction site (A4)

A4 Module

Fuel Type:	Diesel
Liters of Fuel:	27.9 l/100km
Vehicle Type:	Diesel Truck 16-32t
Transport Distance:	1263 km
Capacity Utilization:	37 %
Packaging Mass:	0.139 kg
Gross density of products transported:	1000 kg/m ³
Weight of products transported:	1 kg
Capacity utilization volume factor:	<1
Assumptions for scenario development:	Primary data of distribution amount by location for medium voltage cable are collected for 2024. A weighted average transportation distance is calculated. All products are shipped by truck.

Installation in to the building/construction site (A5)

A5 Module

Installation Scrap Rate Assumed:	5 %
Ancillary Materials:	0 kg
Net Fresh Water Consumption Specified by Water Source and Fate:	0 m ³
Other Resources:	0 kg
Electricity Consumption:	0 kWh
Other Energy Carriers:	0 MJ
Product Lost per Declared/Functional Unit:	0.05 kg
Waste Materials at the Construction Site Before Waste Processing:	0.189 kg
Output Materials Resulting from On-site Waste Processing:	0.189 kg
Mass of Packaging Waste Specified by Type:	0.139 kg
Biogenic Carbon Contained in Packaging (kg C):	0.069 kg
Direct Emissions to Ambient Air, Soil and Water:	0 kg
VOC Emissions:	0 ug/m ³
Assumptions for scenario development:	The installation in module includes waste treatment of packaging and wastage of material during installation. The material waste at the construction site is set to 5% by product weight according to the specified PCR Part B. It is assumed all wastes are transported to a waste treatment facility with an average of 50 km by truck. The energy use and surface treatment products are minimal and excluded from the study. Packaging is assumed to be recycled, and biogenic carbon emissions of packaging disposal emissions are accounted for in module D per guidance from ACLCA (ACLCA, 2019).

End of Life (C1 - C4)

C1 - C4 Modules

Collection Process

Collected Separately:	0 kg
Collected with Mixed Construction Waste:	1 kg

Recovery

Landfill:	1 kg
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Disposal

Product or Material for Final Disposal:	1 kg
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Assumptions for scenario development:

For all cable types, it was assumed that deconstruction (C1) requires only human labor and did not contribute to lifetime environmental impacts. Transport to landfill (C2) was assumed to be 50km from the point of deconstruction by truck and tare no waste processing (C3) impacts.

Although the products are technically recyclable, this study assumes that they are landfilled at the end of their life. Because the cables are installed in long-term applications (≥ 40 years, with an RSL of up to 75 years), only a very small proportion is expected to reach recycling or disposal in any given year. If the cables are disposed of, the metal components and PVC jacket are fully recyclable. However, the three-layer EPR/semicon insulation system is much more difficult to recycle because it is a thermoset material that cannot be re-melted like thermoplastics. Thermoset insulation can only be downcycled—for example, ground and used as filler or aggregate—which is not commonly practiced. As a result, most of the three-layer insulation system that is removed from service is expected to be landfilled and are classified as non-hazardous waste.

Reuse, Recovery and / or Recycling Potentials & Relevant Scenario Information (D)

D Module

Recycling Rate of Product:	0 %
Recycled Content of Product:	3 %

Further assumptions for scenario development:

In the medium voltage cable product systems studied in this project, no secondary fuel or recovered energy are produced. Secondary materials may be integrated in the product (A1). On the other hand, materials for recycle may be generated during manufacturing (A3). As the products are assumed to be landfill, there's no recyclable amount calculated for product end of life. The net inventories were calculated as follows:
 1.A1 – secondary material included in the background dataset fromecoinvent for the following raw materials are calculated based on material flow:
 a. 19.7% scrap input based on the proxy 'Copper, cathode {GLO}} market for copper, cathode | Cut-off, U'
 b. 0% scrap input based on 'Aluminium, primary, ingot {CA}} aluminium production, primary, ingot | Cut-off, U'
 2.A3 – Copper and Aluminum scrap from manufacturing and sent for recycle are all fully recovered.

Results

Environmental Impact Assessment Results

IPCC AR6 GWP 100, TRACI 2.1

per 1 m of product.

LCIA results are relative expressions and do not predict impacts on category endpoints, the exceeding of thresholds, safety margins or risks.

Impact Category	Method	Unit	A1 - A3	A4	A5	C1	C2	C3	C4	D
GWP-total	IPCC AR6 GWP 100	kg CO2 eq	8.80e+0	2.53e-1	4.42e-1	ND	9.52e-3	ND	5.13e-1	-1.38e+0
GWP-fossil	IPCC AR6 GWP 100	kg CO2 eq	8.67e+0	2.53e-1	4.35e-1	ND	9.51e-3	ND	4.32e-2	-1.37e+0
GWP-biogenic	IPCC AR6 GWP 100	kg CO2 eq	7.83e-2	5.79e-5	3.92e-3	ND	2.18e-6	ND	4.70e-1	-2.82e-3
GWP-luluc	IPCC AR6 GWP 100	kg CO2 eq	5.81e-2	1.15e-4	2.91e-3	ND	4.32e-6	ND	1.04e-5	-9.44e-3
ODP	TRACI 2.1	kg CFC 11 eq	4.63e-7	3.84e-9	2.32e-8	ND	1.44e-10	ND	3.03e-10	-1.73e-8
AP	TRACI 2.1	kg SO2 eq	9.50e-2	9.71e-4	4.76e-3	ND	3.65e-5	ND	1.32e-4	-8.73e-2
EP	TRACI 2.1	kg N eq	7.07e-2	3.59e-4	3.54e-3	ND	1.35e-5	ND	1.93e-2	-4.31e-2
POCP	TRACI 2.1	kg O3 eq	6.16e-1	2.40e-2	3.10e-2	ND	9.01e-4	ND	1.98e-3	-2.50e-1

Note:

Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.

Abbreviations:

GWP = Global Warming Potential, 100 years (may also be denoted as GWP-total, GWP-fossil (fossil fuels), GWP-biogenic (biogenic sources), GWP-luluc (land use and land use change)), ODP = Ozone Depletion Potential, AP = Acidification Potential, EP = Eutrophication Potential, SFP = Smog Formation Potential, POCP = Photochemical oxidant creation potential, ADP-Fossil = Abiotic depletion potential for fossil resources, ADP-Minerals&Metals = Abiotic depletion potential for non-fossil resources, WDP = Water deprivation potential, PM = Particulate Matter Emissions, IRP = Ionizing radiation, human health, ETP-fw = Eco-toxicity (freshwater), HTP-c = Human toxicity (cancer), HTP-nc = Human toxicity (non-cancer), SQP = Soil quality index.

All results have been normalized to a product with a length of 1 meter and a mass of 1 kg. This normalization is applied consistently across all reporting modules and impact categories. The purpose of this approach is to allow SKU-specific results to be derived by multiplying the normalized impacts by the corresponding scaling factor, defined as the product's weight (kg) per meter. Because the normalization is set at 1 kg per 1 meter, the results expressed per functional unit (1 meter) and per declared unit (1 kg) are numerically identical. Therefore, reporting two separate sets of results would be redundant and may cause confusion, as the values would not differ.

Comparisons cannot be made between product-specific or industry average EPDs at the design stage of a project, before a building has been specified. Comparisons may be made between product-specific or industry average EPDs at the time of product purchase when product performance and specifications have been established and serve as a functional unit for comparison. Environmental impact results shall be converted to a functional unit basis before any comparison is attempted. Any comparison of EPDs shall be subject to the requirements of ISO 21930 or EN 15804. EPDs are not comparative assertions and are either not comparable or have limited comparability when they have different system boundaries, are based on different product category rules or are missing relevant environmental impacts. Such comparison can be inaccurate, and could lead to erroneous selection of materials or products which are higher-impact, at least in some impact categories.

Resource Use Indicators per 1 m of product.

Indicator	Unit	A1 - A3	A4	A5	C1	C2	C3	C4	D
RPRE	MJ	3.35e+1	4.90e-2	1.67e+0	ND	1.84e-3	ND	5.55e-3	-7.47e+0
RPRM	MJ	2.20e+0	0	1.10e-1	ND	0	ND	0	0
RPRT	MJ	3.57e+1	4.90e-2	1.78e+0	ND	1.84e-3	ND	5.55e-3	-7.47e+0
NRPRE	MJ	1.21e+2	3.75e+0	6.09e+0	ND	1.41e-1	ND	2.76e-1	-1.74e+1
NRPRM	MJ	2.66e+1	0	1.33e+0	ND	0	ND	0	0
NRPRT	MJ	1.48e+2	3.75e+0	7.42e+0	ND	1.41e-1	ND	2.76e-1	-1.74e+1
ADP-fossil	MJ	1.41e+1	4.53e-1	7.08e-1	ND	1.70e-2	ND	3.33e-2	-1.32e+0
SM	kg	2.45e-2	0	1.23e-3	ND	0	ND	0	0
RSF	MJ	0	0	0	ND	0	ND	0	0
NRSF	MJ	0	0	0	ND	0	ND	0	0
FW	m ³	2.01e-1	4.95e-4	1.01e-2	ND	1.86e-5	ND	-3.58e-3	-5.81e-2
RE	MJ	0	0	0	ND	0	ND	0	0

Note:
 Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.
 Abbreviations:
 RPRE or PERE = Renewable primary resources used as energy carrier (fuel), RPRM or PERM = Renewable primary resources with energy content used as material, RPRT or PERT = Total use of renewable primary resources with energy content, NRPRE or PENRE = Non-renewable primary resources used as an energy carrier (fuel), NRPRM or PENRM = Non-renewable primary resources with energy content used as material, NRPRT or PENRT = Total non-renewable primary resources with energy content, SM = Secondary materials, RSF = Renewable secondary fuels, NRSF = Non-renewable secondary fuels, RE = Recovered energy, ADPF = Abiotic depletion potential, FW = Use of net freshwater resources, VOCs = Volatile Organic Compounds.

Waste and Output Flow Indicators per 1 m of product.

Indicator	Unit	A1 - A3	A4	A5	C1	C2	C3	C4	D
HWD	kg	0	0	0	ND	0	ND	0	0
NHWD	kg	1.24e-1	0	1.95e-1	ND	0	ND	9.50e-1	0
RWD	kg	0	0	0	ND	0	ND	0	0
HLRW	kg	0	0	0	ND	0	ND	0	0
ILLRW	kg	0	0	0	ND	0	ND	0	0
CRU	kg	2.58e-1	0	2.91e-1	ND	0	ND	0	0
MFR	kg	0	0	0	ND	0	ND	0	0
MER	kg	0	0	0	ND	0	ND	0	0
EEE	MJ	0	0	0	ND	0	ND	0	0

Note:
 Not all abbreviated indicators listed below may be present in the results above. The inclusion of indicators varies based on PCR requirements.
 Abbreviations:
 HWD = Hazardous waste disposed, NHWD = Non-hazardous waste disposed, RWD = Radioactive waste disposed, HLRW = High-level radioactive waste, ILLRW = Intermediate- and low-level radioactive waste, CRU = Components for re-use, MFR or MR = Materials for recycling, MER = Materials for energy recovery, MNER = Materials for incineration, no energy recovery, EE or EEE = Recovered energy exported from the product system, EET = Exported thermal energy.

Impact Scaling Factors

Part Number	Conductor Size AWG/kcmil	Nom. Conductor Diameter (in) / (mm)	Insulation Diameter (in) / (mm)	Jacket Thickness (in) / (mm)	Approx Overall Diameter (in) / (mm)	Scaling Factor Approx Net Weight kg/m
G5KAEP-02AB-1CZ-T5Z-Z	2	0.28 / 7.19	0.52 / 13.21	0.06 / 1.52	0.73 / 18.54	0.432
G5KAEP-01AB-1CZ-T5Z-Z	1	0.32 / 8.18	0.56 / 14.22	0.06 / 1.52	0.77 / 19.56	0.484
G5KAEP-1AAB-1CZ-T5Z-Z	1/0	0.36 / 9.19	0.60 / 15.24	0.06 / 1.52	0.81 / 20.57	0.536
G5KAEP-2AAB-1CZ-T5Z-Z	2/0	0.41 / 10.29	0.65 / 16.51	0.06 / 1.52	0.86 / 21.84	0.603
G5KAEP-3AAB-1CZ-T5Z-Z	3/0	0.46 / 11.58	0.70 / 17.78	0.08 / 1.91	0.94 / 23.88	0.722
G5KAEP-4AAB-1CZ-T5Z-Z	4/0	0.51 / 13.00	0.76 / 19.30	0.08 / 1.91	1.00 / 25.40	0.826
G5KAEP-25AB-1CZ-T5Z-Z	250	0.56 / 14.17	0.81 / 20.57	0.08 / 1.91	1.05 / 26.67	0.923
G5KAEP-35AB-1CZ-T5Z-Z	350	0.66 / 16.79	0.92 / 23.37	0.08 / 1.91	1.16 / 29.46	1.131

EPR / CTS / PVC Power, Type MV-105, 5kV-35kV, Silicone- and PFAS-Free Series
G (Aluminum Conductors)

LS Cable & System USA



G5KAEP-50AB-1CZ-T5Z-Z	500	0.79 / 20.04	1.05 / 26.67	0.08 / 1.91	1.29 / 32.77	1.429
G5KAEP-75AB-1CZ-T5Z-Z	750	0.97 / 24.59	1.24 / 31.50	0.08 / 1.91	1.48 / 37.59	1.912
G5KAEP-A1AB-1CZ-T5Z-Z	1000	1.12 / 28.37	1.39 / 35.31	0.08 / 1.91	1.63 / 41.40	2.366
G5KBEP-02AB-1CZ-T5Z-Z	2	0.28 / 7.19	0.57 / 14.48	0.06 / 1.52	0.78 / 19.81	0.484
G5KBEP-01AB-1CZ-T5Z-Z	1	0.32 / 8.18	0.61 / 15.49	0.06 / 1.52	0.82 / 20.83	0.536
G5KBEP-1AAB-1CZ-T5Z-Z	1/0	0.36 / 9.19	0.65 / 16.51	0.06 / 1.52	0.87 / 22.10	0.595
G5KBEP-2AAB-1CZ-T5Z-Z	2/0	0.41 / 10.29	0.70 / 17.78	0.08 / 1.91	0.94 / 23.88	0.699
G5KBEP-3AAB-1CZ-T5Z-Z	3/0	0.46 / 11.58	0.75 / 19.05	0.08 / 1.91	0.99 / 25.15	0.789
G5KBEP-4AAB-1CZ-T5Z-Z	4/0	0.51 / 13.00	0.81 / 20.57	0.08 / 1.91	1.05 / 26.67	0.893
G5KBEP-25AB-1CZ-T5Z-Z	250	0.56 / 14.17	0.86 / 21.84	0.08 / 1.91	1.10 / 27.94	0.990
G5KBEP-35AB-1CZ-T5Z-Z	350	0.66 / 16.79	0.97 / 24.64	0.08 / 1.91	1.21 / 30.73	1.205
G5KBEP-50AB-1CZ-T5Z-Z	500	0.79 / 20.04	1.10 / 27.94	0.08 / 1.91	1.34 / 34.04	1.510
G5KBEP-75AB-1CZ-T5Z-Z	750	0.97 / 24.59	1.29 / 32.77	0.08 / 1.91	1.53 / 38.86	2.009
G5KBEP-A1AB-1CZ-T5Z-Z	1000	1.12 / 28.37	1.44 / 36.58	0.08 / 1.91	1.69 / 42.93	2.470
G15AEP-02AB-1CZ-T5Z-Z	2	0.28 / 7.19	0.69 / 17.53	0.06 / 1.52	0.90 / 22.86	0.603
G15AEP-01AB-1CZ-T5Z-Z	1	0.32 / 8.18	0.73 / 18.54	0.08 / 1.91	0.97 / 24.64	0.699
G15AEP-1AAB-1CZ-T5Z-Z	1/0	0.36 / 9.19	0.77 / 19.56	0.08 / 1.91	1.01 / 25.65	0.766
G15AEP-2AAB-1CZ-T5Z-Z	2/0	0.41 / 10.29	0.81 / 20.57	0.08 / 1.91	1.05 / 26.67	0.841
G15AEP-3AAB-1CZ-T5Z-Z	3/0	0.46 / 11.58	0.86 / 21.84	0.08 / 1.91	1.10 / 27.94	0.938
G15AEP-4AAB-1CZ-T5Z-Z	4/0	0.51 / 13.00	0.92 / 23.37	0.08 / 1.91	1.16 / 29.46	1.042
G15AEP-25AB-1CZ-T5Z-Z	250	0.56 / 14.17	0.98 / 24.89	0.08 / 1.91	1.22 / 30.99	1.153
G15AEP-35AB-1CZ-T5Z-Z	350	0.66 / 16.79	1.08 / 27.43	0.08 / 1.91	1.32 / 33.53	1.384
G15AEP-50AB-1CZ-T5Z-Z	500	0.79 / 20.04	1.21 / 30.73	0.08 / 1.91	1.45 / 36.83	1.704
G15AEP-75AB-1CZ-T5Z-Z	750	0.97 / 24.59	1.40 / 35.56	0.08 / 1.91	1.65 / 41.91	2.225
G15AEP-A1AB-1CZ-T5Z-Z	1000	1.12 / 28.37	1.56 / 39.62	0.11 / 2.67	1.87 / 47.50	2.872
G15BEP-02AB-1CZ-T5Z-Z	2	0.28 / 7.19	0.78 / 19.81	0.08 / 1.91	1.02 / 25.91	0.759
G15BEP-01AB-1CZ-T5Z-Z	1	0.32 / 8.18	0.82 / 20.83	0.08 / 1.91	1.06 / 26.92	0.818
G15BEP-1AAB-1CZ-T5Z-Z	1/0	0.36 / 9.19	0.86 / 21.84	0.08 / 1.91	1.10 / 27.94	0.885
G15BEP-2AAB-1CZ-T5Z-Z	2/0	0.41 / 10.29	0.90 / 22.86	0.08 / 1.91	1.14 / 28.96	0.967
G15BEP-3AAB-1CZ-T5Z-Z	3/0	0.46 / 11.58	0.96 / 24.38	0.08 / 1.91	1.20 / 30.48	1.064
G15BEP-4AAB-1CZ-T5Z-Z	4/0	0.51 / 13.00	1.01 / 25.65	0.08 / 1.91	1.25 / 31.75	1.183
G15BEP-25AB-1CZ-T5Z-Z	250	0.56 / 14.17	1.07 / 27.18	0.08 / 1.91	1.31 / 33.27	1.295
G15BEP-35AB-1CZ-T5Z-Z	350	0.66 / 16.79	1.17 / 29.72	0.08 / 1.91	1.42 / 36.07	1.533
G15BEP-50AB-1CZ-T5Z-Z	500	0.79 / 20.04	1.30 / 33.02	0.08 / 1.91	1.55 / 39.37	1.868
G15BEP-75AB-1CZ-T5Z-Z	750	0.97 / 24.59	1.50 / 38.10	0.08 / 1.91	1.74 / 44.20	2.411
G15BEP-A1AB-1CZ-T5Z-Z	1000	1.12 / 28.37	1.65 / 41.91	0.11 / 2.67	1.96 / 49.78	3.080
G25AEP-1AAB-1CZ-T5Z-Z	1/0	0.36 / 9.19	0.94 / 23.88	0.08 / 1.91	1.18 / 29.97	1.005
G25AEP-2AAB-1CZ-T5Z-Z	2/0	0.41 / 10.29	0.99 / 25.15	0.08 / 1.91	1.23 / 31.24	1.086
G25AEP-3AAB-1CZ-T5Z-Z	3/0	0.46 / 11.58	1.04 / 26.42	0.08 / 1.91	1.28 / 32.51	1.191
G25AEP-4AAB-1CZ-T5Z-Z	4/0	0.51 / 13.00	1.09 / 27.69	0.08 / 1.91	1.34 / 34.04	1.310
G25AEP-25AB-1CZ-T5Z-Z	250	0.56 / 14.17	1.15 / 29.21	0.08 / 1.91	1.39 / 35.31	1.429
G25AEP-35AB-1CZ-T5Z-Z	350	0.66 / 16.79	1.26 / 32.00	0.08 / 1.91	1.50 / 38.10	1.682
G25AEP-50AB-1CZ-T5Z-Z	500	0.79 / 20.04	1.39 / 35.31	0.08 / 1.91	1.63 / 41.40	2.024
G25AEP-75AB-1CZ-T5Z-Z	750	0.97 / 24.59	1.58 / 40.13	0.11 / 2.67	1.89 / 48.01	2.753
G25AEP-A1AB-1CZ-T5Z-Z	1000	1.12 / 28.37	1.73 / 43.94	0.11 / 2.67	2.04 / 51.82	3.281
G25BEP-1AAB-1CZ-T5Z-Z	1/0	0.36 / 9.19	1.06 / 26.92	0.08 / 1.91	1.31 / 33.27	1.191
G25BEP-2AAB-1CZ-T5Z-Z	2/0	0.41 / 10.29	1.11 / 28.19	0.08 / 1.91	1.35 / 34.29	1.280
G25BEP-3AAB-1CZ-T5Z-Z	3/0	0.46 / 11.58	1.16 / 29.46	0.08 / 1.91	1.40 / 35.56	1.391
G25BEP-4AAB-1CZ-T5Z-Z	4/0	0.51 / 13.00	1.22 / 30.99	0.08 / 1.91	1.46 / 37.08	1.518
G25BEP-25AB-1CZ-T5Z-Z	250	0.56 / 14.17	1.27 / 32.26	0.08 / 1.91	1.51 / 38.35	1.644
G25BEP-35AB-1CZ-T5Z-Z	350	0.66 / 16.79	1.38 / 35.05	0.08 / 1.91	1.62 / 41.15	1.912
G25BEP-50AB-1CZ-T5Z-Z	500	0.79 / 20.04	1.51 / 38.35	0.08 / 1.91	1.75 / 44.45	2.277
G25BEP-75AB-1CZ-T5Z-Z	750	0.97 / 24.59	1.70 / 43.18	0.11 / 2.67	2.01 / 51.05	3.043
G25BEP-A1AB-1CZ-T5Z-Z	1000	1.12 / 28.37	1.85 / 46.99	0.11 / 2.67	2.16 / 54.86	3.586
G35AEP-1AAB-1CZ-T5Z-Z	1/0	0.36 / 9.19	1.12 / 28.45	0.08 / 1.91	1.36 / 34.54	1.272
G35AEP-2AAB-1CZ-T5Z-Z	2/0	0.41 / 10.29	1.16 / 29.46	0.08 / 1.91	1.40 / 35.56	1.369
G35AEP-3AAB-1CZ-T5Z-Z	3/0	0.46 / 11.58	1.21 / 30.73	0.08 / 1.91	1.45 / 36.83	1.481
G35AEP-4AAB-1CZ-T5Z-Z	4/0	0.51 / 13.00	1.27 / 32.26	0.08 / 1.91	1.51 / 38.35	1.615
G35AEP-25AB-1CZ-T5Z-Z	250	0.56 / 14.17	1.32 / 33.53	0.08 / 1.91	1.57 / 39.88	1.741
G35AEP-35AB-1CZ-T5Z-Z	350	0.66 / 16.79	1.43 / 36.32	0.08 / 1.91	1.67 / 42.42	2.009
G35AEP-50AB-1CZ-T5Z-Z	500	0.79 / 20.04	1.56 / 39.62	0.11 / 2.67	1.87 / 47.50	2.552
G35AEP-75AB-1CZ-T5Z-Z	750	0.97 / 24.59	1.75 / 44.45	0.11 / 2.67	2.06 / 52.32	3.162
G35AEP-A1AB-1CZ-T5Z-Z	1000	1.12 / 28.37	1.91 / 48.51	0.11 / 2.67	2.22 / 56.39	3.720

G35BEP-1AAB-1CZ-T5Z-Z	1/0	0.36 / 9.19	1.27 / 32.26	0.08 / 1.91	1.51 / 38.35	1.540
G35BEP-2AAB-1CZ-T5Z-Z	2/0	0.41 / 10.29	1.31 / 33.27	0.08 / 1.91	1.55 / 39.37	1.644
G35BEP-3AAB-1CZ-T5Z-Z	3/0	0.46 / 11.58	1.37 / 34.80	0.08 / 1.91	1.61 / 40.89	1.763
G35BEP-4AAB-1CZ-T5Z-Z	4/0	0.51 / 13.00	1.42 / 36.07	0.08 / 1.91	1.66 / 42.16	1.905
G35BEP-25AB-1CZ-T5Z-Z	250	0.56 / 14.17	1.48 / 37.59	0.08 / 1.91	1.72 / 43.69	2.046
G35BEP-35AB-1CZ-T5Z-Z	350	0.66 / 16.79	1.58 / 40.13	0.11 / 2.67	1.89 / 48.01	2.500
G35BEP-50AB-1CZ-T5Z-Z	500	0.79 / 20.04	1.71 / 43.43	0.11 / 2.67	2.02 / 51.31	2.909
G35BEP-75AB-1CZ-T5Z-Z	750	0.97 / 24.59	1.91 / 48.51	0.11 / 2.67	2.22 / 56.39	3.557
G35BEP-A1AB-1CZ-T5Z-Z	1000	1.12 / 28.37	2.06 / 52.32	0.11 / 2.67	2.40 / 60.96	4.226

To allow application-specific contexts, declared unit scaling factors to common cable weight per meter are provided below. The following formula can then be used to translate the impact associated with 1 kg per meter of cable to the impact per meter of cable with specific weight:

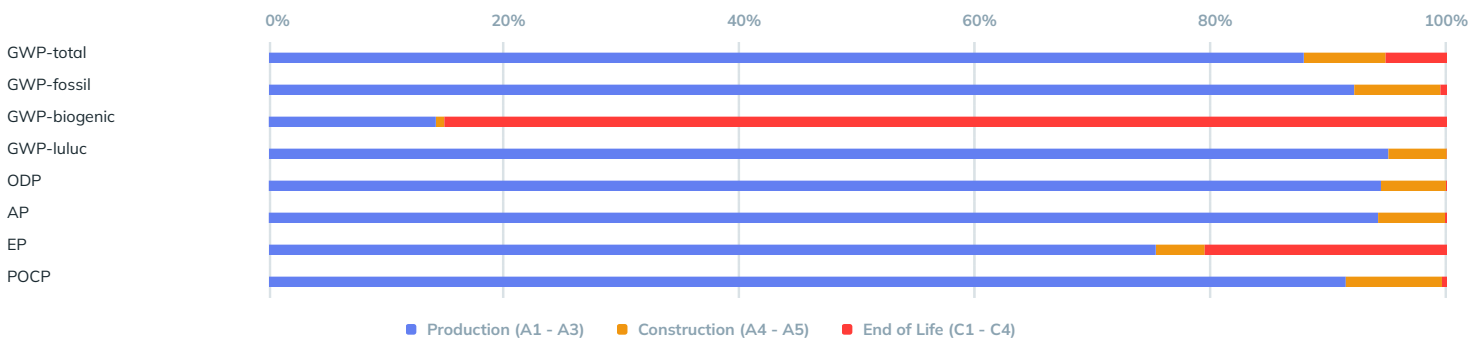
Medium Voltage cable product specific Impact per meter = Scaling factor (kg per meter) x Normalized impact at 1 kg per meter

Interpretation

Copper Shielding is the largest contributor in most impact categories (acidification, eutrophication, and smog) driven by the upstream impacts of copper mining and refining. Aluminum conductor contributes the most to A1 in GWP due to high carbon intensity of primary aluminum. Opportunities for improvement include optimizing conductor design, reducing the copper tape shield thickness, or evaluating alternative shielding materials where technically feasible. LS Cable & System USA may also consider sourcing aluminum and copper with higher secondary (recycled) content, provided the material meets electrical-grade purity requirements.

In addition, the polymer layers (EPR insulation, semiconducting shields, and PVC jacket) represent another major source of impacts particularly under the assumption of landfilling. While the metal components and PVC jacket are technically recyclable, the three-layer EPR/semicon insulation system is far more difficult to recycle because it is a thermoset material that cannot be re-melted like thermoplastics. Due to the lack of available product end-of-life data, this study conservatively assumes that 100% of the product is landfilled. Future studies could evaluate recycling or recovery options to reduce end-of-life burdens and improve circularity.

Improvements in A3 manufacturing impacts may be achieved by reducing scrap rates, enhancing extrusion and handling efficiency, upgrading to energy-efficient annealing or drawing equipment, and further increasing the use of renewable electricity at the Tarboro facility.



Additional Environmental Information

LS Cable & System USA medium voltage cable products do not contain any substances identified as hazardous according to the normative requirements in standards or regulations applicable in the markets where they are sold, and the additional standards listed in PCR Part A 8.4.1.

LS Cable & System USA medium voltage cable products do not release any dangerous substances as classified by the standards listed in PCR Part A 8.4.1.

References

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EPR / CTS / PVC Power, Type MV-105, 5kV–35kV, Silicone- and PFAS-Free Series G (Aluminum Conductors)

LS Cable & System USA



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