





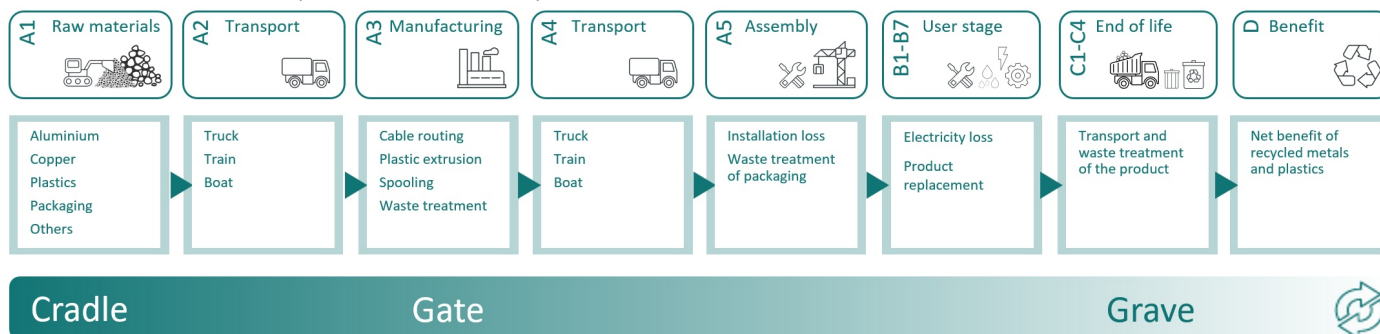


**System boundaries (X=included, MND=module not declared, MNR=module not relevant)**

| Product stage |           |               | Construction installation stage |          | Use stage |             |        |             |               |                        |                       | End of life stage          |           |                  |          | Beyond the system boundaries       |
|---------------|-----------|---------------|---------------------------------|----------|-----------|-------------|--------|-------------|---------------|------------------------|-----------------------|----------------------------|-----------|------------------|----------|------------------------------------|
| Raw materials | Transport | Manufacturing | Transport                       | Assembly | Use       | Maintenance | Repair | Replacement | Refurbishment | Operational energy use | Operational water use | De-construction demolition | Transport | Waste processing | Disposal | Reuse-Recovery-Recycling-potential |
| A1            | A2        | A3            | A4                              | A5       | B1        | B2          | B3     | B4          | B5            | B6                     | B7                    | C1                         | C2        | C3               | C4       | D                                  |
| X             | X         | X             | X                               | X        | X         | X           | X      | X           | X             | X                      | X                     | X                          | X         | X                | X        | X                                  |

**System boundary:**

The flowchart below illustrates the system boundaries of the analysis:



**Additional technical information:**

Article 20384100 Slim Line B 5G2,5 represent the product with the highest expenditure of materials, and energy consumption during manufacturing of the following articles in the product family:

- 20369294 SLIM LINE B 3G1,5 R100
- 20384097 SLIM LINE B 3G1,5 K6M/500
- 20384271 SLIM LINE B 3G2,5 R100
- 20384272 SLIM LINE B 3G2,5 K6M/500
- 20369295 SLIM LINE B 5G1,5 R100
- 20384099 SLIM LINE B 5G1,5 K6M/500
- 20384098 SLIM LINE B 5G2,5 K6M/500













## Additional Norwegian requirements

### Greenhouse gas emissions from the use of electricity in the manufacturing phase

National production mix from import, low voltage (production of transmission lines, in addition to direct emissions and losses in grid) of applied electricity for the manufacturing process (A3).

| Electricity mix            | Data source   | Amount | Unit                      |
|----------------------------|---------------|--------|---------------------------|
| Electricity, Finland (kWh) | ecoinvent 3.6 | 255,20 | g CO <sub>2</sub> -eq/kWh |

### Dangerous substances

The product contains no substances given by the REACH Candidate list or the Danish List of Undesirable Substances.

### Indoor environment

## Additional Environmental Information

| Environmental impact indicators EN 15804+A1 and NPCR Part A v2.0 |                                      |          |          |          |          |          |    |    |    |
|--|--------------------------------------|----------|----------|----------|----------|----------|----|----|----|
| Indicator  | Unit                                 | A1       | A2       | A3       | A4       | A5       | B1 | B2 | B3 |
| GWP  | kg CO <sub>2</sub> -eq               | 9,66E-01 | 4,56E-02 | 9,13E-02 | 3,89E-02 | 2,57E-02 | 0  | 0  | 0  |
| ODP  | kg CFC11 -eq                         | 5,24E-08 | 8,58E-09 | 1,24E-08 | 7,35E-09 | 1,62E-09 | 0  | 0  | 0  |
| POCP   | kg C <sub>2</sub> H <sub>4</sub> -eq | 2,54E-03 | 6,67E-06 | 1,02E-05 | 5,07E-06 | 5,12E-05 | 0  | 0  | 0  |
| AP   | kg SO <sub>2</sub> -eq               | 6,38E-02 | 1,24E-04 | 2,14E-04 | 7,84E-05 | 1,28E-03 | 0  | 0  | 0  |
| EP   | kg PO <sub>4</sub> <sup>3-</sup> -eq | 3,20E-03 | 1,35E-05 | 2,92E-05 | 8,56E-06 | 6,52E-05 | 0  | 0  | 0  |
| ADPM   | kg Sb -eq                            | 4,27E-04 | 7,73E-07 | 4,98E-07 | 6,71E-07 | 8,58E-06 | 0  | 0  | 0  |
| ADPE   | MJ                                   | 1,44E+01 | 7,00E-01 | 1,90E+00 | 5,99E-01 | 3,53E-01 | 0  | 0  | 0  |
| GWPIOBC  | kg CO <sub>2</sub> -eq               | 1,01E+00 | 4,61E-02 | 7,95E-02 | 3,93E-02 | 2,63E-02 | 0  | 0  | 0  |

| Indicator | Unit                                 | B4 | B5 | B6       | B7 | C1 | C2       | C3       | C4       | D         |
|-----------|--------------------------------------|----|----|----------|----|----|----------|----------|----------|-----------|
| GWP       | kg CO <sub>2</sub> -eq               | 0  | 0  | 3,14E+00 | 0  | 0  | 5,42E-03 | 1,40E-01 | 4,81E-03 | -2,82E-02 |
| ODP       | kg CFC11 -eq                         | 0  | 0  | 8,73E-08 | 0  | 0  | 1,03E-09 | 9,70E-11 | 2,69E-10 | -1,70E-09 |
| POCP      | kg C <sub>2</sub> H <sub>4</sub> -eq | 0  | 0  | 3,15E-04 | 0  | 0  | 7,07E-07 | 1,83E-07 | 9,28E-07 | -1,26E-04 |
| AP        | kg SO <sub>2</sub> -eq               | 0  | 0  | 6,84E-03 | 0  | 0  | 1,09E-05 | 1,22E-05 | 3,46E-06 | -3,04E-03 |
| EP        | kg PO <sub>4</sub> <sup>3-</sup> -eq | 0  | 0  | 1,27E-03 | 0  | 0  | 1,19E-06 | 3,81E-06 | 3,04E-06 | -1,39E-04 |
| ADPM      | kg Sb -eq                            | 0  | 0  | 2,00E-05 | 0  | 0  | 9,36E-08 | 5,01E-09 | 8,65E-09 | -1,97E-05 |
| ADPE      | MJ                                   | 0  | 0  | 2,91E+01 | 0  | 0  | 8,36E-02 | 9,27E-03 | 2,29E-02 | -2,82E-01 |
| GWPIOBC   | kg CO <sub>2</sub> -eq               | 0  | 0  | 3,14E+00 | 0  | 0  | 5,48E-03 | 1,40E-01 | 8,27E-04 | -1,80E-02 |

GWP Global warming potential; ODP Depletion potential of the stratospheric ozone layer; POCP Formation potential of tropospheric photochemical oxidants; AP Acidification potential of land and water; EP Eutrophication potential; ADPM Abiotic depletion potential for non fossil resources; ADPE Abiotic depletion potential for fossil resources; GWP-IOBC/GHG Global warming potential calculated according to the principle of instantaneous oxidation (except emissions and uptake of biogenic carbon)

