

Product Environmental Profile

Mureva conduit tuliped system with accessories 1m length Ø 25mm

as referent product for :
all Mureva rigid conduit systems from Ø 16mm to Ø 63 mm

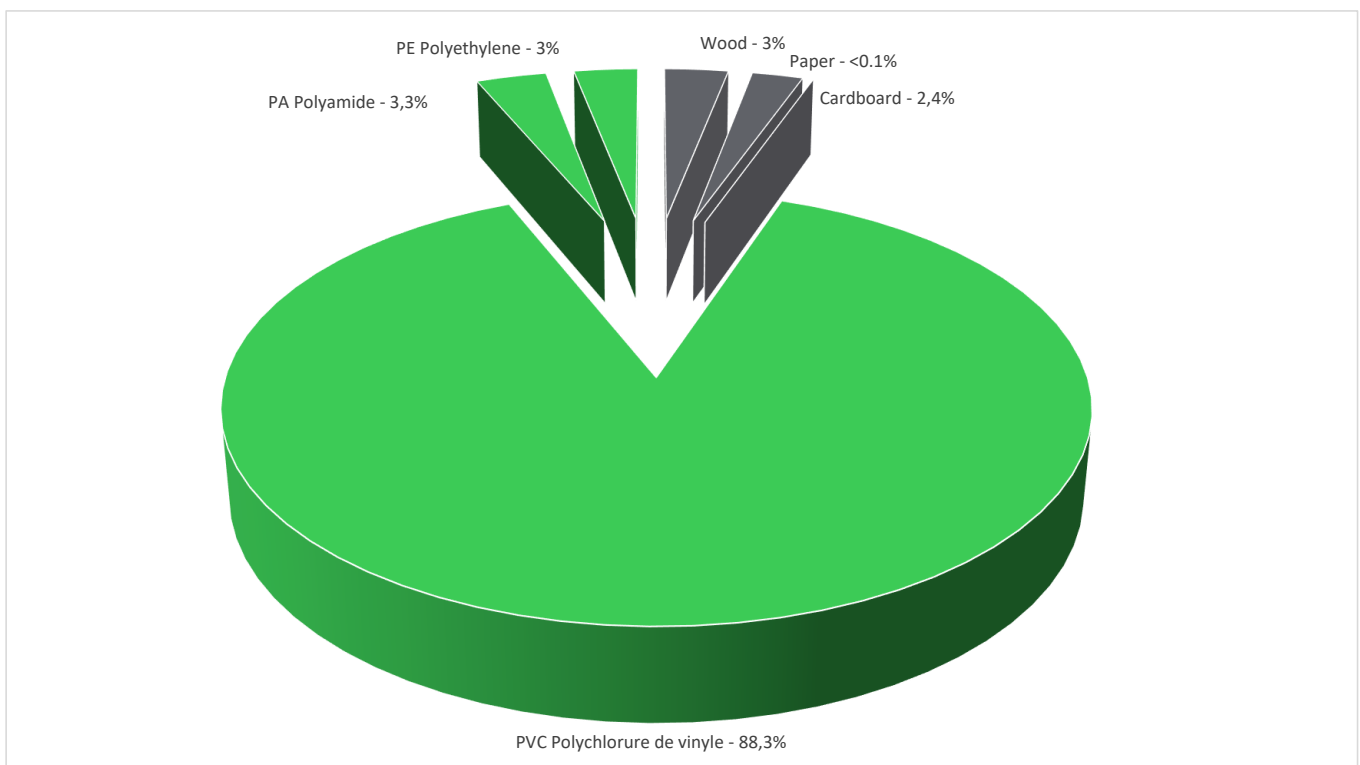


General information

| | |
|----------------------------|--|
| Reference product | Mureva conduit tuliped system with accessories 1m lenght Ø 25mm - ENN47930+IMT50625+IMT53325 |
| Description of the product | The function of Mureva conduit rigid system with accessories is to accommodate and protect cables for energy and communication systems. This function is determined by the enclosed volume of the profile, and is therefore directly related to the usable cross-section for cables. |
| Description of the range | <p>The environmental impacts of this reference product are representative of the impacts of the other products of the range which are developed with a similar technology.</p> <p>In addition of the reference product, this PEP covers all Mureva Tube conduits and Mureva Fix fixation systems.</p> |
| Functional unit | <p>Accommodate and protect the wiring along 1 meter for a reference life time of 20 years.</p> <p>The rigid conduit system Ø 25mm (360 mm² internal section) includes basket of parts (profile and 2 accessories), after scraps occurring during installation, that are representative of standard use.</p> |

Constituent materials

| | | |
|------------------------|---------|--|
| Reference product mass | 285,6 g | including the product, its packaging and additional elements and accessories |
|------------------------|---------|--|



| | |
|----------|-------|
| Plastics | 94,6% |
| Others | 5,4% |
| Metals | 0,0% |

Substance assessment

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website <https://www.se.com/ww/en/work/support/green-premium/>



Additional environmental information

| | | | |
|-------------|--------------------------|----|--|
| End Of Life | Recyclability potential: | 0% | Recyclability rate has been calculated based on REEECYLAB tool developed by Ecosystem, for components/materials not covered by the tool, data from the "ECO'DEEE recyclability and recoverability calculation method" was taken. If no data was found a conservative assumption was used (0% recyclability). |
|-------------|--------------------------|----|--|



Environmental impacts

| | | | |
|----------------------------------|--|---|---|
| Reference service life time | 20 years | | |
| Product category | Basket of functions N°4 - Rigid conduit systems | | |
| Installation elements | This product does not require any special components during installation. Scraps occurring during installation phase are already took in account in the basket of functions n°4 as defined in the corresponding PSR003 | | |
| Use scenario | No use scenario needed | | |
| Technological representativeness | The function of Mureva conduit rigid system with accessories is to accommodate and protect cables for energy and communication systems. This function is determined by the enclosed volume of the profile, and is therefore directly related to the usable cross-section for cables. | | |
| Geographical representativeness | Europe | | |
| Energy model used | [A1 - A3] | [A5] | [B6] |
| | Electricity Mix; Production mix; Low voltage; 2018; France ; FR | Electricity Mix; Production mix; Low voltage; UE-27 | Electricity Mix; Production mix; Low voltage; UE-27 |
| | | | [C1 - C4] |
| | | | Electricity Mix; Production mix; Low voltage; UE-27 |

Detailed results, including all the optional indicators mentioned in PCRed4, and the split of the Use Phase (B1 to B7), are available in the LCA report and on demand in a digital format - Country Customer Care Center - <http://www.schneider-electric.com/contact>

| Mandatory Indicators | | Mureva conduit tuliped system with accessories 1m length Ø 25mm - ENN47930+IMT50625+IMT53325 | | | | | | |
|--|---------------------------|--|---------------|--------------|--------------|-----------|-------------|-----------|
| Impact indicators | Unit | Total | Manufacturing | Distribution | Installation | Use | End of Life | Benefits |
| | | | [A1 - A3] | [A4] | [A5] | [B1 - B7] | [C1 - C4] | [D] |
| Contribution to climate change | kg CO2 eq | 2,37E+00 | 1,61E+00 | 8,23E-02 | 1,96E-02 | 0* | 6,60E-01 | -1,62E-02 |
| Contribution to climate change-fossil | kg CO2 eq | 2,36E+00 | 1,59E+00 | 8,23E-02 | 2,36E-02 | 0* | 6,60E-01 | -1,57E-02 |
| Contribution to climate change-biogenic | kg CO2 eq | 9,80E-03 | 1,39E-02 | 0* | 0* | 0* | 0* | -5,04E-04 |
| Contribution to climate change-land use and land use change | kg CO2 eq | 0,00E+00 | 0* | 0* | 0* | 0* | 0* | 0,00E+00 |
| Contribution to ozone depletion | kg CFC-11 eq | 5,85E-07 | 4,98E-07 | 7,27E-08 | 8,24E-10 | 0* | 1,40E-08 | -8,97E-10 |
| Contribution to acidification | mol H+ eq | 8,83E-03 | 7,85E-03 | 3,58E-04 | 5,80E-05 | 0* | 5,64E-04 | -7,74E-05 |
| Contribution to eutrophication, freshwater | kg (PO4) ³⁻ eq | 5,56E-06 | 5,39E-06 | 9,64E-09 | 1,36E-07 | 0* | 2,41E-08 | -1,50E-07 |
| Contribution to eutrophication marine | kg N eq | 2,16E-03 | 1,83E-03 | 1,64E-04 | 1,70E-05 | 0* | 1,44E-04 | -1,93E-05 |
| Contribution to eutrophication, terrestrial | mol N eq | 2,34E-02 | 1,98E-02 | 1,78E-03 | 1,39E-04 | 0* | 1,68E-03 | -1,65E-04 |
| Contribution to photochemical ozone formation - human health | kg COVNM eq | 7,44E-03 | 6,35E-03 | 5,84E-04 | 3,96E-05 | 0* | 4,63E-04 | -4,47E-05 |
| Contribution to resource use, minerals and metals | kg Sb eq | 5,41E-06 | 5,41E-06 | 0* | 0* | 0* | 2,03E-09 | -7,49E-08 |
| Contribution to resource use, fossils | MJ | 4,09E+01 | 3,78E+01 | 1,00E+00 | 1,55E-01 | 0* | 1,92E+00 | -1,49E-01 |
| Contribution to water use | m3 eq | 2,87E+00 | 2,77E+00 | 4,18E-03 | 5,39E-03 | 0* | 8,86E-02 | -9,42E-03 |

Additional indicators for the French regulation are available as well

| Inventory flows Indicators | | Mureva conduit tuliped system with accessories 1m lenght Ø 25mm - ENN47930+IMT50625+IMT53325 | | | | | | |
|---|---------|--|-----------|--------------|--------------|-----------|-------------|-----------|
| Inventory flows | Unit | Total | Manufact. | Distribution | Installation | Use | End of Life | Benefits |
| | | | [A1 - A3] | [A4] | [A5] | [B1 - B7] | [C1 - C4] | [D] |
| Contribution to use of renewable primary energy excluding renewable primary energy used as raw material | MJ | 4,72E-01 | 3,91E-01 | 0* | 4,35E-02 | 0* | 3,73E-02 | 7,21E-02 |
| Contribution to use of renewable primary energy resources used as raw material | MJ | 3,06E-01 | 3,06E-01 | 0* | 0* | 0* | 0* | -1,66E-01 |
| Contribution to total use of renewable primary energy resources | MJ | 7,78E-01 | 6,97E-01 | 0* | 4,35E-02 | 0* | 3,73E-02 | -9,39E-02 |
| Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material | MJ | 3,49E+01 | 3,18E+01 | 1,00E+00 | 1,55E-01 | 0* | 1,92E+00 | -1,49E-01 |
| Contribution to use of non renewable primary energy resources used as raw material | MJ | 6,03E+00 | 6,03E+00 | 0* | 0* | 0* | 0* | 0,00E+00 |
| Contribution to total use of non-renewable primary energy resources | MJ | 4,09E+01 | 3,78E+01 | 1,00E+00 | 1,55E-01 | 0* | 1,92E+00 | -1,49E-01 |
| Contribution to use of secondary material | kg | 0,00E+00 | 0* | 0* | 0* | 0* | 0* | 0,00E+00 |
| Contribution to use of renewable secondary fuels | MJ | 0,00E+00 | 0* | 0* | 0* | 0* | 0* | 0,00E+00 |
| Contribution to use of non renewable secondary fuels | MJ | 0,00E+00 | 0* | 0* | 0* | 0* | 0* | 0,00E+00 |
| Contribution to net use of freshwater | m³ | 6,69E-02 | 6,46E-02 | 9,72E-05 | 1,25E-04 | 0* | 2,06E-03 | -2,19E-04 |
| Contribution to hazardous waste disposed | kg | 2,99E-01 | 3,98E-02 | 6,82E-05 | 1,48E-04 | 0* | 2,59E-01 | -6,20E-03 |
| Contribution to non hazardous waste disposed | kg | 1,40E+00 | 6,55E-01 | 0* | 4,63E-02 | 0* | 7,02E-01 | -1,75E-01 |
| Contribution to radioactive waste disposed | kg | 6,30E-04 | 4,58E-04 | 1,64E-05 | 5,58E-06 | 0* | 1,51E-04 | -9,12E-06 |
| Contribution to components for reuse | kg | 0,00E+00 | 0* | 0* | 0* | 0* | 0* | 0,00E+00 |
| Contribution to materials for recycling | kg | 9,15E-03 | 0* | 0* | 9,15E-03 | 0* | 0* | 0,00E+00 |
| Contribution to materials for energy recovery | kg | 0,00E+00 | 0* | 0* | 0* | 0* | 0* | 0,00E+00 |
| Contribution to exported energy | MJ | 5,64E-03 | 5,30E-04 | 0* | 5,11E-03 | 0* | 0* | 0,00E+00 |
| Contribution to biogenic carbon content of the product | kg de C | 0,00E+00 | 0* | 0* | 0* | 0* | 0* | 0,00E+00 |
| Contribution to biogenic carbon content of the associated packaging | kg de C | 0,00E+00 | 0* | 0* | 0* | 0* | 0* | 0,00E+00 |

* represents less than 0.01% of the total life cycle of the reference flow

Life cycle assessment performed with EIME version v5.9.4, database version 2022-01 in compliance with ISO14044.

Detailed results, including all the optional indicators mentioned in PCRed4, and the split of the Use Phase (B1 to B7), are available in the LCA report and on demand in a digital format - Country Customer Care Center - <http://www.schneider-electric.com/contact>

According to this environmental analysis, proportionality rules may be used to evaluate the impacts of other products of this range, ratios to apply can be provided upon request

Please note that the values given above are only valid within the context specified and cannot be used directly to draw up the environmental assessment of an installation.

