

Product Environmental Profile

Cable tie 26-62mm

as reference product for :
all cable ties in Europe Schneider product offers





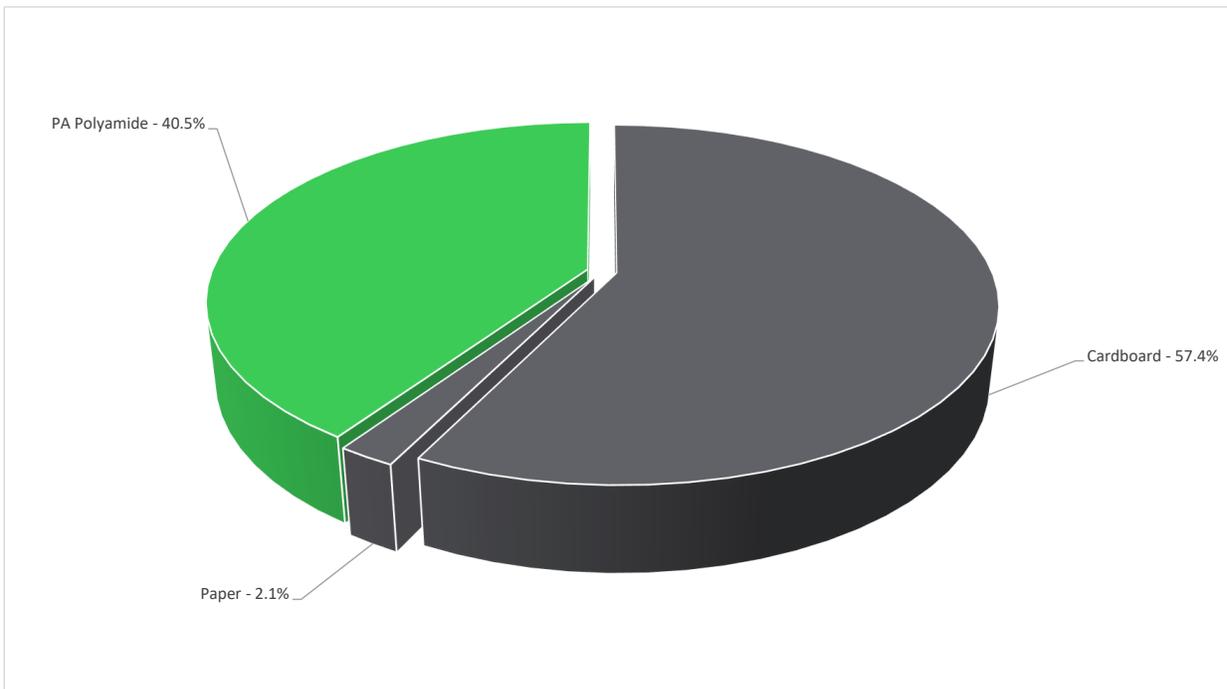
General information

Reference product	Cable tie 26-62mm - ENN47962
Description of the product	The main function of the Cable tie product range is permanent fixation of cables or other objects (e.g. rigid conduits,...)
Description of the range	The environmental impact indicator values of this cable tie can be extrapolated for same product types for a wide range of dimensions. 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.
Functional unit	Mount a cable or a tube at a point with a Cable Tie with a clamping capacity between 100mm and 780mm for a reference lifetime of 20 years in accordance with standard EN 62275.



Constituent materials

Reference product mass	0.975 g including the product, its packaging and additional elements and accessories
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Plastics	40.5%
Metals	0.0%
Others	59.5%



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).
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Environmental impacts

Reference service life time	20 years		
Installation elements	The disposal of the packaging materials are accounted for during the installation phase (including transport to disposal).		
Use scenario	No Power Consumption, since it has no electronic parts and no current-carrying parts.		
Technological representativeness	The Modules of Technologies such as material production, manufacturing process and transport technology used in this PEP analysis (LCAEIME in this case) are Similar and representative of the actual type of technologies used to make the product.		
Geographical representativeness	Europe		
Energy model used	[A1 - A3]	[A5]	[B6]
	Electricity Mix; Production mix; Low voltage; CN	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

Mandatory Indicators		Cable tie 26-62mm - ENN47962						
Impact indicators	Unit	Total	Manufacturing [A1 - A3]	Distribution [A4]	Installation [A5]	Use [B1 - B7]	End of Life [C1 - C4]	Loads and Benefits [D]
Contribution to climate change	kg CO2 eq	8.76E-03	6.23E-03	1.56E-04	1.06E-03	0*	1.31E-03	-1.36E-05
Contribution to climate change-fossil	kg CO2 eq	8.62E-03	6.14E-03	1.56E-04	1.01E-03	0*	1.31E-03	-1.31E-05
Contribution to climate change-biogenic	kg CO2 eq	1.39E-04	9.25E-05	0*	4.69E-05	0*	0*	-4.35E-07
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	4.69E-10	3.95E-10	2.39E-13	6.99E-11	0*	3.73E-12	-6.26E-13
Contribution to acidification	mol H+ eq	6.49E-05	5.93E-05	1.04E-06	4.19E-06	0*	3.98E-07	-6.38E-08
Contribution to eutrophication, freshwater	kg (PO4) ³⁻ eq	2.25E-08	1.48E-08	5.84E-11	7.62E-09	0*	1.36E-11	-1.30E-10
Contribution to eutrophication marine	kg N eq	1.56E-05	1.39E-05	4.91E-07	1.11E-06	0*	1.06E-07	-1.60E-08
Contribution to eutrophication, terrestrial	mol N eq	1.45E-04	1.30E-04	5.38E-06	8.37E-06	0*	1.52E-06	-1.34E-07
Contribution to photochemical ozone formation - human health	kg COVNM eq	4.83E-05	4.44E-05	1.36E-06	2.24E-06	0*	3.17E-07	-3.59E-08
Contribution to resource use, minerals and metals	kg Sb eq	1.60E-10	1.17E-10	6.13E-12	3.52E-11	0*	1.73E-12	-1.01E-12
Contribution to resource use, fossils	MJ	2.11E-01	1.97E-01	2.17E-03	1.10E-02	0*	7.31E-04	-1.20E-04
Contribution to water use	m3 eq	1.96E-03	1.40E-03	5.91E-07	4.51E-04	0*	1.14E-04	-8.03E-06

Additional indicators for the French regulation are available as well

Inventory flows Indicators		Cable tie 26-62mm - ENN47962						
Inventory flows	Unit	Total	Manufact. [A1 - A3]	Distribution [A4]	Installation [A5]	Use [B1 - B7]	End of Life [C1 - C4]	Loads and Benefits [D]
Contribution to use of renewable primary energy excluding renewable primary energy used as raw material	MJ	-4.75E-03	-5.55E-03	0*	0*	0*	0*	6.25E-05
Contribution to use of renewable primary energy resources used as raw material	MJ	1.15E-02	1.15E-02	0*	0*	0*	0*	-1.04E-04
Contribution to total use of renewable primary energy resources	MJ	6.73E-03	5.93E-03	2.90E-06	7.88E-04	0*	6.86E-06	-4.19E-05
Contribution to use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1.98E-01	1.84E-01	2.17E-03	1.10E-02	0*	7.31E-04	-1.20E-04
Contribution to use of non renewable primary energy resources used as raw material	MJ	1.31E-02	1.31E-02	0*	0*	0*	0*	0.00E+00

Contribution to total use of non-renewable primary energy resources	MJ	2.11E-01	1.97E-01	2.17E-03	1.10E-02	0*	7.31E-04	-1.20E-04
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	4.57E-05	3.26E-05	1.38E-08	1.05E-05	0*	2.65E-06	-1.87E-07
Contribution to hazardous waste disposed	kg	5.20E-04	1.10E-04	0*	1.25E-05	0*	3.97E-04	-3.16E-07
Contribution to non hazardous waste disposed	kg	2.13E-02	1.75E-02	5.46E-06	3.43E-03	0*	4.29E-04	-1.51E-04
Contribution to radioactive waste disposed	kg	2.22E-06	1.74E-06	3.89E-09	4.61E-07	0*	1.65E-08	-7.76E-09
Contribution to components for reuse	kg	0.00E+00	0*	0*	0*	0*	0*	0.00E+00
Contribution to materials for recycling	kg	5.80E-04	0*	0*	5.80E-04	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	0.00E+00	0*	0*	0*	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 ISO 14044.

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.

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		Validity period	5 years
Independent verification of the declaration and data, in compliance with ISO 14025 : 2010			
Internal External X			
The PCR review was conducted by a panel of experts chaired by Julie ORGELET (DDemain)			
PEP are compliant with XP C08-100-1 :2016 or EN 50693:2019			
The elements of the present PEP cannot be compared with elements from another program.			
Document in compliance with ISO 14025 : 2010 « Environmental labels and declarations. Type III environmental declarations »			
			

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