

Environmental Profile

This LCA is calculated according to: ISO 14044, ISO 14040 and EN 15804

Ecochain v3.5.64



Product: 3064614 - PE Pipe Cable RD 75 L=6 SRN DVK S
Unit: 1 piece
Manufacturer: Wavin - SE - Eskilstuna

Wavin offers double-walled cable conduits in several diameters and in both waterproof and non-waterproof versions. The corrugated outer wall ensures a high ring stiffness, while the smooth inner wall makes the pipes optimal for cable pulling.

LCA standard: EN15804+A2 (2019)
Standard database: Worldwide - Ecoinvent v 3.6 Cut-Off
Externally verified: Yes
Issue date: 20-06-2022
End of validity: 20-06-2027
Verifier: Harry van Ewijk - SGS Search



This LCA was evaluated according to EN15804+A2. It was concluded that the LCA complies with this standard.

The LCA background information and project dossier have been registered in the online Ecochain application in the account Wavin - SE - Eskilstuna (2020). (☑ = module declared, MND = module not declared).

A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
☑	☑	☑	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	☑	☑	☑	☑
Product stage					Use stage							End-of-Life stage				
A1 Raw material supply A2 Transport A3 Manufacturing					B1 Use B2 Maintenance B3 Repair B4 Replacement B5 Refurbishment B6 Operational energy use B7 Operational water use							C1 De-construction demolition C2 Transport C3 Waste processing C4 Disposal				
Construction process stage					Benefits and loads beyond the system boundaries											
A4 Transport gate to site					D Reuse- Recovery- Recycling- potential											
A5 Assembly / Construction installation process																

Results

Environmental impact	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
GWP-total	kg CO2 eq	4.93E+0	3.96E-1	1.66E-1	5.49E+0	6.27E-2	2.03E+0	3.46E-2	-3.15E+0	4.47E+0
GWP-f	kg CO2 eq	4.90E+0	3.96E-1	1.20E-1	5.42E+0	6.26E-2	2.04E+0	3.46E-2	-3.13E+0	4.42E+0
GWP-b	kg CO2 eq	2.31E-2	-2.59E-5	3.16E-2	5.47E-2	3.80E-5	-2.53E-3	2.60E-5	-1.17E-2	4.05E-2
GWP-luluc	kg CO2 eq	1.65E-3	2.34E-4	1.40E-2	1.58E-2	2.22E-5	3.53E-4	5.08E-7	-6.98E-4	1.55E-2
ODP	kg CFC11 eq	1.39E-7	8.19E-8	1.36E-8	2.35E-7	1.44E-8	4.60E-8	7.41E-10	-1.49E-7	1.47E-7
AP	mol H+ eq	1.82E-2	9.59E-3	1.02E-3	2.88E-2	3.57E-4	1.93E-3	1.77E-5	-8.71E-3	2.24E-2
EP-fw	kg P eq	8.91E-5	2.36E-6	2.22E-6	9.37E-5	5.15E-7	1.02E-5	2.32E-8	-3.94E-5	6.50E-5
EP-m	kg N eq	3.08E-3	2.43E-3	3.01E-4	5.82E-3	1.28E-4	5.62E-4	1.24E-5	-1.59E-3	4.93E-3
EP-T	mol N eq	3.50E-2	2.70E-2	3.31E-3	6.53E-2	1.41E-3	6.19E-3	7.18E-5	-1.77E-2	5.53E-2
POCP	kg NMVOC eq	1.64E-2	7.07E-3	9.18E-4	2.44E-2	4.02E-4	1.95E-3	2.81E-5	-8.29E-3	1.85E-2
ADP-mm	kg Sb eq	6.95E-5	5.14E-6	3.61E-6	7.83E-5	1.62E-6	7.66E-6	1.79E-8	-2.02E-5	6.73E-5
ADP-f	MJ	1.68E+2	5.34E+0	1.19E+0	1.75E+2	9.61E-1	6.12E+0	5.41E-2	-9.38E+1	8.83E+1
WDP	m3 depriv.	3.86E+0	1.17E-2	7.69E-1	4.65E+0	2.95E-3	1.20E-1	2.82E-4	-1.82E+0	2.95E+0
PM	disease inc.	1.52E-7	1.94E-8	1.72E-8	1.89E-7	5.65E-9	3.18E-8	3.72E-10	-6.94E-8	1.57E-7
IR	kBq U-235 eq	1.20E-1	2.27E-2	3.55E-3	1.46E-1	4.20E-3	1.85E-2	2.52E-4	-5.62E-2	1.13E-1
ETP-fw	CTUe	3.19E+1	3.90E+0	3.33E+0	3.92E+1	7.81E-1	6.96E+0	4.77E-2	-1.41E+1	3.28E+1
HTP-c	CTUh	1.72E-9	2.08E-10	1.31E-10	2.06E-9	2.78E-11	8.42E-10	1.34E-12	-6.48E-10	2.29E-9
HTP-nc	CTUh	3.59E-8	3.60E-9	3.58E-9	4.30E-8	9.31E-10	1.05E-8	3.05E-11	-1.15E-8	4.30E-8
SQP	Pt	7.22E+0	2.08E+0	1.57E-1	9.46E+0	8.22E-1	4.90E+0	1.39E-1	-2.99E+0	1.23E+1
Resource use	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
PERE	MJ	3.04E+0	4.67E-2	7.52E+0	1.06E+1	1.38E-2	3.02E-1	2.12E-3	-1.35E+0	9.57E+0
PERM	MJ	0	0	0	0	0	0	0	0	0
PERT	MJ	3.04E+0	4.67E-2	7.52E+0	1.06E+1	1.38E-2	3.02E-1	2.12E-3	-1.35E+0	9.57E+0
PENRE	MJ	1.81E+2	5.67E+0	1.27E+0	1.88E+2	1.02E+0	6.52E+0	5.74E-2	-1.01E+2	9.41E+1
PENRM	MJ	0	0	0	0	0	0	0	0	0
PENRT	MJ	1.81E+2	5.67E+0	1.27E+0	1.88E+2	1.02E+0	6.52E+0	5.74E-2	-1.01E+2	9.41E+1
PET	MJ	1.84E+2	5.72E+0	8.79E+0	1.98E+2	1.03E+0	6.82E+0	5.95E-2	-1.03E+2	1.04E+2
SM	kg	0	0	0	0	0	0	0	0	0
RSF	MJ	0	0	0	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0	0	0	0
FW	m3	5.96E-2	4.07E-4	1.83E-2	7.83E-2	1.09E-4	3.53E-3	6.67E-5	-2.79E-2	5.42E-2

Output flows and waste categories	Unit	A1	A2	A3	A1-A3	C2	C3	C4	D	Total
HWD	kg	2.90E-5	7.88E-6	1.82E-6	3.87E-5	2.46E-6	1.00E-5	6.53E-8	-2.92E-5	2.21E-5
NHWD	kg	2.09E-1	1.26E-1	5.57E-3	3.40E-1	5.96E-2	3.01E-1	2.38E-1	-7.79E-2	8.61E-1
RWD	kg	1.07E-4	3.64E-5	5.05E-6	1.49E-4	6.54E-6	2.34E-5	3.53E-7	-5.23E-5	1.27E-4
CRU	kg	0	0	0	0	0	0	0	0	0
MFR	kg	0	0	0	0	0	0	0	0	0
MER	kg	0	0	0	0	0	0	0	0	0
EE	MJ	0	0	0	0	0	0	0	0	0
EET	MJ	0	0	0	0	0	0	0	0	0
EEE	MJ	0	0	0	0	0	0	0	0	0



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