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Product Environmental Profile

Wire cable tray system CABLOFIL corrosive environments

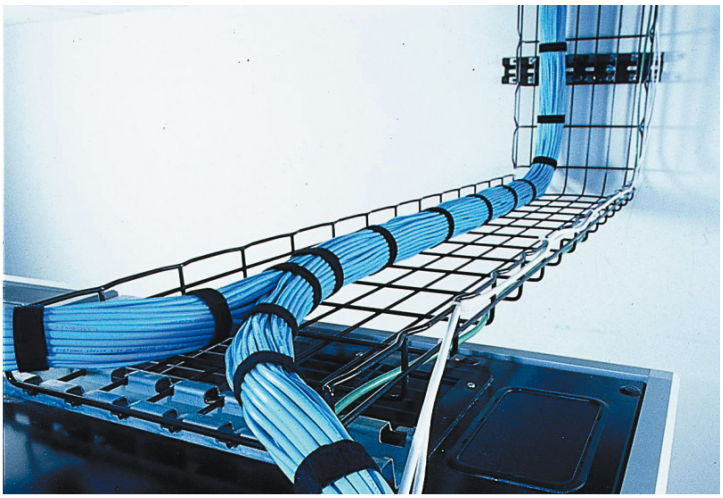
LEGRAND'S ENVIRONMENTAL COMMITMENTS

• Incorporate environmental management into our industrial sites
Of all Legrand sites worldwide, over 85% are ISO 14001-certified (sites belonging to the Group for more than five years).

• Offer our customers environmentally friendly solutions
Develop innovative solutions to help our customers design more energy efficient, better managed and more environmentally friendly installations.

• Involve the environment in product design and provide informations in compliance with ISO 14025
Reduce the environmental impact of products over their whole life cycle.
Provide our customers with all relevant information (composition, consumption, end of life, etc.).

REFERENCE PRODUCT

Function	Support the wiring along 1 meter for a reference life time of 20 years. The CABLOFIL CF 54/200 HR cable tray system, capable of supporting a load of 38,1 kg per meter on a span of 1.5 m, includes the profile and cable management and support accessories typical of standard use.
Reference Product	
	Ref. 000096 - 558346 - 558246 - 585327 - 350846
	Wire cable tray system CF54/200 - HR finishing

PRODUCTS CONCERNED

The environmental data is representative of the following products:

Catalogue Numbers
The total CABLOFIL wire cable tray product range for corrosive environments, as presented in all relevant catalogues (CF / FC 30 x 50 to 150 x 600) - list available from the customer service.

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PEP ecopassport®

CONSTITUENT MATERIALS

This Reference Product contains no substances prohibited by the regulations applicable at the time of its introduction to the market. It respects the restrictions on use of hazardous substances as defined in the RoHS directive 2011/65/EU and its delegated directive 2015/863/EU.

Total weight of Reference Product	**1672 g** (all packaging included)

Plastics as % of weight		**Metals as % of weight**		**Other as % of weight**	
		Steel	95,9 %		
		Aluminum	0,1 %		
Packaging as % of weight					
PP	< 0,1 %			Wood	3,2 %
PE	< 0,1 %			Paper	0,8 %
Total plastics	**0,0 %**	**Total metals**	**96,0 %**	**Total other**	**4,0 %**

Estimated recycled material content: 34 % by mass.

MANUFACTURE

The Reference Product comes from sites that observe the applicable legislation for industrial sites.

DISTRIBUTION

Products are distributed from logistics centres located with a view to optimize transport efficiency. The Reference Product is therefore transported over an average distance of 224 km by sea and 869 km by road from our warehouse to the local point of distribution into the market all around the world.

Packaging is compliant with applicable regulation. At the end of life, its recyclability rate is 94 % (in % of packaging weight).

INSTALLATION

For the installation of the product, only standard tools are needed.

USE

Under normal conditions of use, this product requires no servicing, no maintenance or additional products.

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END OF LIFE

The product end-of-life factors are taken into account during the design phase. Dismantling and sorting of components or materials is made as easy as possible with a view to recycling or failing that, another form of reuse.

• Recyclability rate:
Calculated using the method described in technical report IEC/TR 62635, the recyclability rate of the product is estimated at 100 %. This value is based on data collected from a technological channel operating on an industrial basis. It does not pre-validate the effective use of this channel for the end of life of this product.

Separated into:

- metal materials (excluding packaging) : 96 %
- packaging (all types of materials) : 4 %

ENVIRONMENTAL IMPACTS

The evaluation of environmental impacts examines the stages of the Reference Product life cycle: manufacturing, distribution, installation, use and end-of-life. It is representative from worlwide marketed products.
For each phase, the following modelling elements were taken in account:

Manufacture	Materials and components of the product, all transport for the manufacturing, the packaging and the waste generated by the manufacturing.
Distribution	Transport between the last Group distribution centre and an average delivery point in the sales area.
Installation	The end of life of the packaging.
Use	• Product category: PSR-0003-ed1.1-EN-2015 10 16 - 3.2.2.1. Cable tray systems. • Use scenario: no energy consumption during the 20 years working life. This modelling duration does not constitute a minimum durabilty requirement. • Energy model: Electricity Mix; Europe 27 - 2008.
End of life	The default end of life scenario maximizing the impacts.
Software and database used	EIME V5 and its database «CODDE-2018-11»

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SELECTION OF ENVIRONMENTAL IMPACTS

	Total for Life cycle		Raw material and manufacture		Distribution		Installation		Use		End of life	
Global warming	**7.18E+00**	**kgCO_2 eq.**	6.99E+00	**97%**	7.72E-02	**1%**	1.11E-02	**< 1%**	0.00E+00	**0%**	1.03E-01	**1%**
Ozone depletion	**9.16E-08**	**kgCFC-11 eq.**	9.07E-08	**99%**	1.55E-10	**< 1%**	6.28E-11	**< 1%**	0.00E+00	**0%**	6.59E-10	**< 1%**
Acidification of soils and water	**2.27E-02**	**kgSO_2 eq.**	2.17E-02	**96%**	4.87E-04	**2%**	4.83E-05	**< 1%**	0.00E+00	**0%**	4.37E-04	**2%**
Water eutrophication	**2.75E-03**	**kg$(PO_4)^{3-}$ eq.**	1.87E-03	**68%**	9.01E-05	**3%**	6.09E-05	**2%**	0.00E+00	**0%**	7.30E-04	**27%**
Photochemical ozone formation	**2.70E-03**	**kgC_2H_4 eq.**	2.63E-03	**98%**	3.10E-05	**1%**	3.55E-06	**< 1%**	0.00E+00	**0%**	3.27E-05	**1%**
Depletion of abiotic resources - elements	**5.81E-05**	**kgSb eq.**	5.81E-05	**100%**	3.07E-09	**< 1%**	4.66E-10	**< 1%**	0.00E+00	**0%**	4.33E-09	**< 1%**
Total use of primary energy	**4.13E+02**	**MJ**	4.10E+02	**99%**	1.08E+00	**< 1%**	1.44E-01	**< 1%**	0.00E+00	**0%**	1.29E+00	**< 1%**
Net use of fresh water	**4.59E+00**	**m^3**	4.59E+00	**100%**	6.84E-06	**< 1%**	2.54E-06	**< 1%**	0.00E+00	**0%**	2.63E-05	**< 1%**
Depletion of abiotic resources - fossil fuels	**7.14E+01**	**MJ**	6.89E+01	**96%**	1.08E+00	**2%**	1.41E-01	**< 1%**	0.00E+00	**0%**	1.26E+00	**2%**
Water pollution	**1.34E+02**	**m^3**	1.05E+02	**79%**	1.26E+01	**9%**	1.65E+00	**1%**	0.00E+00	**0%**	1.47E+01	**11%**
Air pollution	**9.62E+02**	**m^3**	9.52E+02	**99%**	3.73E+00	**< 1%**	6.52E-01	**< 1%**	0.00E+00	**0%**	5.83E+00	**< 1%**

The values of the 27 impacts defined in the PCR-ed3-EN-2015 04 02 are available in the digital database of pep-ecopassport.org website.

The environmental impact of a system other than the Reference Product can be calculated by multiplying the values of the environmental indicators by the corresponding coefficients (see table page 5).

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SELECTION OF ENVIRONMENTAL IMPACTS (CONTINUED)

Designation	Coeff. to apply to the indicators, to each life cycle phase or to the total life cycle *	Designation	Coeff. to apply to the indicators, to each life cycle phase or to the total life cycle *
CF/FC 30/50 system (right edge)	0.35	CF/FC 105/100 system	0.98
CF/FC 30/100 system	0.44	CF/FC 105/150 system	1.35
CF/FC 30/150 system	0.56	CF/FC 105/200 system	1.49
CF/FC 30/200 system	0.76	CF/FC 105/300 system	2.30
CF/FC 30/300 system	1.19	CF/FC 105/400 system	2.64
CF/FC 54/50 system	0.51	CF/FC 105/500 system	3.16
CF/FC 54/100 system	0.61	CF/FC 105/600 system	3.49
CF/FC 54/150 system	0.81	CF/FC 150/150 system	1.99
CF/FC 54/200 system	**1.00**	CF/FC 150/200 system	2.15
CF/FC 54/300 system	1.54	CF/FC 150/300 system	2.51
CF/FC 54/400 system	2.28	CF/FC 150/400 system	2.84
CF/FC 54/500 system	2.79	CF/FC 150/450 system	3.18
CF/FC 54/600 system	3.11	CF/FC 150/500 system	3.35
		CF/FC 150/600 system	3.67

* FC systems are assimilated to CF systems in terms of environmental impacts. Nevertheless, they have overall slightly lower impacts if compared to CF systems.

Registration N°: LGRP-01107-V01.01-EN	Drafting rules: PEP-PCR-ed3-EN-2015 04 02 Supplemented by PSR-0003-ed1.1-2015 10 16
Verifier accreditation N°: VH23	Information and reference documents : **www.pep-ecopassport.org**
Date of issue: 09-2022	Validity period: 5 years
Independent verification of the declaration and data, in compliance with ISO 14025:2010 Internal ☒ External ☐	
The PCR review was conducted by a panel of experts chaired by Philippe Osset (SOLINNEN)	
PEP are compliant with XP C08-100-1 : 2016 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»	
Environmental data in alignment with EN 15804 : 2012 + A1 : 2013	