

Unex environmental commitment

Since 1964, Unex has been committed to create solutions which offer maximum safety to facilities, users, and environment.

Unex has focused its efforts on formulating its own raw materials which comply with the RoHS Directive, contributing to sustainable construction.

Unex's environmental performance is supported by the implementation, maintenance, and certification of the Environmental Management System in accordance with the ISO 14001.

Product information

Reference product

The products covered by this Product Environmental Profile are Trunkings 73 in U23X.
(PSR Category: Cable trunking systems and conduit systems, specific rules defined in section 3.2)
UNEX Trunking 73 complies with the EN 50085-2-1:2006 + A1:2011 Standard. ¹
The reference product is Unex trunking 40x60, Ref. 73071-2.

Functional unit

Accommodate and protect the wiring along 1 metre for a Reference Service Life of the product of 20 years^(*). The Trunking 73 system 40x60, with cross-section 1575 mm² includes the profile and accessories that are representative of standard use.

^(*)According to PSR this is a theoretical period used for calculations purposes and does not represent the minimum, average or actual lifetime of the product.

Basket of functions Distribution trunking system

Functions to be fulfilled

Total normalized to meters installed

Trunking (including 1 cable retainer every 0,5 m and 2 junctions for each trunking length)

1,03



90° angle with plane change

0,05



Flat angle

0,05



Joint cover pieces

0,38



Termination of trunking (screws included)

0,11



All images used are for illustrative purposes only.

Homogeneous environmental family

Environmental impacts within the product family are proportional to the mass of the reference product.

The references covered are: 73010-2, 73061-2, 73020-2, 73071-2, 73072-2, 73073-2, 73081-2, 73082-2, 73083-2, 73084-2, 73085-2, 73086-2, 73088-2, 73010-04, 73020-04, 73071-04, 73081-04, 73082-04, 73083-04, 73085-04, 73086-04, 73088-04, 73110-2, 73111-2, 73120-2, 73171-2, 73172-2, 73173-2, 73181-2, 73182-2, 73183-2, 73184-2, 73185-2, 73186-2.

Constituent materials

Total mass of reference product, including packaging: 809,3 g.

		Plastics	Metals	Others
Product	U23X (own thermoplastic formulation for trunkings)	91,0%	-	-
	U24X (own thermoplastic formulation for fittings)	3,3%	-	-
	Stainless steel (screws)	-	<0,1%	-
Packaging	Cardboard	-	-	4,4%
	Wood	-	-	0,4%
	Paper	-	-	<0,1%
	Plastic film	0,8%	-	-
TOTAL		95,1%	<0,1%	4,9%

The product is compliant with the RoHS Directive and does not contain substances of very high concern according to REACH Regulation.

Packaging cardboard is FSC-certified and has recycled content.

The estimated recycled content of the reference product (including packaging) is 3,4%.

Life cycle stages

Scope: - All stages of the life cycle "Cradle-to-Grave".
- Product manufactured in Spain; distribution, and end of life scenarios worldwide.

Manufacturing	Raw materials, packaging, end of life of manufacturing wastes, upstream transport (product materials, packaging, and waste), energy and consumables, transport to the last logistic platform.
Distribution	Transport between Unex logistic centre and our worldwide sales destinations.
Installation	Manufacturing, distribution, and end of life of 3% scrap originated from off-cuts during installation and end of life of packaging. The product does not require earthing.
Use stage	This product does not require energy consumption, maintenance, or additional products during its use.
End of life	Transport of end-of-life product to a treatment centre and its treatment (according to the PSR, given the lifetime of these trunkings, no specific data can be used to model the end of life, and the default scenario of 100% incineration with no energy recovery must be considered)

Environmental Impacts

This Life Cycle Assessment was carried out using EIME© v6.2.5-6 and database CODDE-2024-04 updated on 2024-06-04:

Indicator	Unit		A1-A3 Manufacturing	A4 Distribution	A5 Installation	B1-B7 Use	C1-C4 End of life	Sum
GWP Climate change	kg CO2 eq.	℞	1,28E+00	6,76E-02	1,55E-01	0,00E+00	2,54E-01	1,76E+00
		%	72,93	3,84	8,80	0,00	14,43	100,00
GWP-b Climate change-Biogenic	kg CO2 eq.	℞	1,78E-02	1,77E-07	6,64E-02	0,00E+00	8,17E-04	8,50E-02
		%	20,95	0,00	78,09	0,00	0,96	100,00
GWP-f Climate change-Fossil	kg CO2 eq.	℞	1,27E+00	6,76E-02	8,87E-02	0,00E+00	2,53E-01	1,68E+00
		%	75,57	4,03	5,29	0,00	15,11	100,00
GWP-lu Climate change-Land use and land use change	kg CO2 eq.	℞	1,01E-07	6,54E-08	4,81E-09	0,00E+00	0,00E+00	1,71E-07
		%	59,02	38,17	2,81	0,00	0,00	100,00
ODP Ozone depletion	kg CFC-11 eq.	℞	4,73E-07	5,55E-10	1,51E-08	0,00E+00	2,58E-08	5,15E-07
		%	91,95	0,11	2,94	0,00	5,01	100,00
AP Acidification	mol H+ eq.	℞	4,02E-03	1,05E-03	3,49E-04	0,00E+00	2,20E-03	7,62E-03
		%	52,77	13,82	4,59	0,00	28,82	100,00
EP-fw Eutrophication, freshwater	kg P eq.	℞	3,40E-05	1,70E-07	1,82E-06	0,00E+00	2,83E-07	3,63E-05
		%	93,74	0,47	5,01	0,00	0,78	100,00
EP-m Eutrophication, marine	kg N eq.	℞	7,23E-04	2,37E-04	9,85E-05	0,00E+00	5,70E-04	1,63E-03
		%	44,39	14,57	6,04	0,00	35,00	100,00
EP-t Eutrophication, terrestrial	mol N eq.	℞	8,15E-03	2,60E-03	9,51E-04	0,00E+00	7,51E-03	1,92E-02
		%	42,41	13,54	4,95	0,00	39,10	100,00
POCP Photochemical ozone formation - human health	kg NMVOC eq.	℞	2,94E-03	6,79E-04	2,48E-04	0,00E+00	1,59E-03	5,46E-03
		%	53,86	12,43	4,54	0,00	29,17	100,00
ADP-e Resource use, minerals and metals	kg SB eq.	℞	4,90E-06	1,63E-08	1,39E-07	0,00E+00	2,24E-08	5,08E-06
		%	96,49	0,32	2,75	0,00	0,44	100,00
ADP-f Resource use, fossils	MJ	℞	3,55E+01	1,07E+00	1,63E+00	0,00E+00	4,54E+00	4,27E+01
		%	83,06	2,50	3,81	0,00	10,63	100,00
WDP Water use	m3 eq.	℞	1,52E+00	1,63E-03	4,84E-02	0,00E+00	2,70E-02	1,60E+00
		%	95,17	0,10	3,03	0,00	1,69	100,00
PM Particulate matter	Disease occurrence	℞	3,21E-08	5,68E-09	2,36E-09	0,00E+00	1,47E-08	5,49E-08
		%	58,60	10,36	4,31	0,00	26,74	100,00
IRP Ionizing radiation, human health	kBq U ²³⁵ eq.	℞	1,52E+01	1,58E-03	7,80E-01	0,00E+00	8,92E-02	1,61E+01
		%	94,58	0,01	4,85	0,00	0,55	100,00
ETP-fw Ecotoxicity, freshwater	CTUe	℞	1,60E+01	1,28E+00	1,38E+00	0,00E+00	1,07E+01	2,93E+01
		%	54,60	4,35	4,71	0,00	36,33	100,00
HTP-c Human toxicity, cancer	CTUh	℞	1,78E-09	8,82E-12	3,79E-09	0,00E+00	8,41E-11	5,66E-09
		%	31,42	0,16	66,94	0,00	1,49	100,00
HTP-nc Human toxicity, non-cancer	CTUh	℞	6,35E-08	1,69E-10	2,06E-09	0,00E+00	3,87E-09	6,96E-08
		%	91,23	0,24	2,96	0,00	5,56	100,00
SQP Land use	No dimension	℞	6,47E-01	1,85E-04	1,91E-02	0,00E+00	7,71E-03	6,74E-01
		%	96,00	0,03	2,83	0,00	1,14	100,00

Indicator	Unit		A1-A3 Manufacturing	A4 Distribution	A5 Installation	B1-B7 Use	C1-C4 End of life	Sum
PERE Renewable primary energy used as energy	MJ	℞	2,74E+00	2,80E-03	1,66E-01	0,00E+00	2,85E-01	3,19E+00
		%	85,79	0,09	5,19	0,00	8,93	100,00
PERM Renewable primary energy used as raw material	MJ	℞	6,71E-01	0,00E+00	1,91E-02	0,00E+00	0,00E+00	6,90E-01
		%	97,24	0,00	2,76	0,00	0,00	100,00
PERT Total renewable primary energy	MJ	℞	3,41E+00	2,80E-03	1,85E-01	0,00E+00	2,85E-01	3,88E+00
		%	87,83	0,07	4,76	0,00	7,34	100,00
PENRE Non renewable primary energy used as energy	MJ	℞	2,53E+01	1,07E+00	1,33E+00	0,00E+00	4,54E+00	3,22E+01
		%	78,44	3,32	4,14	0,00	14,10	100,00
PENRM Non renewable primary energy used as raw material	MJ	℞	1,02E+01	0,00E+00	2,96E-01	0,00E+00	0,00E+00	1,05E+01
		%	97,19	0,00	2,81	0,00	0,00	100,00
PENRT Total non renewable primary energy	MJ	℞	3,55E+01	1,07E+00	1,63E+00	0,00E+00	4,54E+00	4,27E+01
		%	83,06	2,50	3,81	0,00	10,63	100,00
PET Total primary energy	MJ	℞	3,89E+01	1,07E+00	1,82E+00	0,00E+00	4,83E+00	4,66E+01
		%	83,45	2,30	3,89	0,00	10,35	100,00
SM Use of secondary material	kg	℞	1,30E-03	0,00E+00	3,60E-05	0,00E+00	0,00E+00	1,33E-03
		%	97,30	0,00	2,70	0,00	0,00	100,00
RSF Use of renewable secondary fuels	MJ	℞	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		%	-	-	-	-	-	-
NRSF Use of non renewable secondary fuels	MJ	℞	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		%	-	-	-	-	-	-
FW Net use of fresh water	m3	℞	3,48E-02	3,80E-05	1,28E-03	0,00E+00	8,02E-04	3,69E-02
		%	94,26	0,10	3,46	0,00	2,17	100,00

Indicator	Unit		A1-A3 Manufacturing	A4 Distribution	A5 Installation	B1-B7 Use	C1-C4 End of life	Sum
HWD Hazardous waste disposed	kg	℞	1,83E-02	1,81E-04	1,35E-02	0,00E+00	2,76E-01	3,08E-01
		%	5,94	0,06	4,38	0,00	89,62	100,00
NHWD Non-Hazardous waste disposed	kg	℞	7,73E-02	4,73E-03	2,02E-02	0,00E+00	4,07E-02	1,43E-01
		%	54,09	3,31	14,12	0,00	28,48	100,00
RWD Radioactive waste disposed	kg	℞	1,82E-05	3,67E-06	3,88E-06	0,00E+00	1,64E-05	4,21E-05
		%	43,15	8,73	9,22	0,00	38,90	100,00

Indicator	Unit		A1-A3 Manufacturing	A4 Distribution	A5 Installation	B1-B7 Use	C1-C4 End of life	Sum
CRU Components for reuse	kg	℞	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		%	-	-	-	-	-	-
MFR Materials for recycling	kg	℞	2,00E-03	0,00E+00	2,93E-02	0,00E+00	0,00E+00	3,13E-02
		%	6,39	0,00	93,61	0,00	0,00	100,00
MER Materials for energy recovery	kg	℞	0,00E+00	0,00E+00	6,65E-03	0,00E+00	1,50E-04	6,80E-03
		%	0,00	0,00	97,79	0,00	2,21	100,00
EE Exported Energy	MJ	℞	1,18E-03	0,00E+00	2,03E-03	0,00E+00	0,00E+00	3,21E-03
		%	36,84	0,00	63,16	0,00	0,00	100,00



Product Environmental Profile Trunking 73 in U23X



Keeping you safer

Indicator	Unit	A1-A3 Manufacturing	A4 Distribution	A5 Installation	B1-B7 Use	C1-C4 End of life	Sum
Biogenic carbon content - Product	kg of C	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Biogenic carbon content - Packaging	kg of C	1,63E-02	0,00E+00	4,62E-04	0,00E+00	0,00E+00	1,68E-02

Environmental impacts of homogeneous family products

This PEP includes all sizes of Trunkings 73 in U23X. The environmental impact of a system covered by PEP ecopassport® other than the reference system for which it was drawn up (73071-2) can be calculated by multiplying the values of the environmental indicators by the corresponding coefficient for each stage of the life cycle and for the total life cycle.

Size (mm)	Reference			Coefficient
30x40	73010-2	73010-04	73110-2	0,627
30x60	73061-2		73111-2	0,810
40x40	73020-2	73020-04	73120-2	0,759
40x60	73071-2	73071-04	73171-2	1,000
40x90	73072-2		73172-2	1,350
40x110	73073-2		73173-2	1,676
60x60	73081-2	73081-04	73181-2	1,244
60x90	73082-2	73082-04	73182-2	1,744
60x110	73083-2	73083-04	73183-2	2,073
60x130	73084-2		73184-2	2,255
60x150	73085-2	73085-04	73185-2	2,707
60x190	73086-2	73086-04	73186-2	3,450
60x230	73088-2	73088-04		4,024

Company information

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¹ The EN 50085 standard series will be replaced in the future by the EN IEC 61084 series.
Technical characteristics of Trunkings 73 in U23X are the same in both EN IEC 61084 and EN 50085.

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Verifier accreditation number: VH32	Information and reference documents: www.pep-ecopassport.org	
Date of issue: 04-2025	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 Julie Orgelet (DDemain)		
PEPs are compliant with XP C08-100-1:2016 or EN 50693:2019 The components of the present PEP may not be compared with components from any other program.		
Document complies with ISO 14025:2010 “Environmental labels and declarations. Type III environmental declarations”		