

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

Products covered by this Product Environmental Profile are Trunkings 93 in U23X.
(PSR Category: Cable trunking systems and conduit systems, specific rules defined in section 3.2)
UNEX Trunkings 93 comply with the EN 50085-2-1:2006 + A1:2011 Standard. ¹
The reference product is Unex trunking 50x80, Ref. 93020-2.

Functional unit

Accommodate and protect the wiring and wiring accessories along 1 metre for a Reference Service Life of the product of 20 years^(*).
The installation trunking system 50x80, with cross-section 1565 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 Installation trunking system

Functions to be fulfilled	Total normalized to meters installed	
Trunking (including base and cover)	1,03	
Junction	0,29	
90° angle in the plane	0,10	
90° angle with plane change	0,10	

Basket of functions Installation trunking system (continuation)	Joint cover pieces	0,29	
	Termination of trunking (screws included)	0,19	
	Single apparatus mounting	0,19	
	Double apparatus mounting	0,19	

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: 93020-2, 93021-2, 93022-2, 93074-2, 93076-2, 93125-2, 93031-2, 93032-2, 93086-2, 93087-2, 93138-2.

Constituent materials

Total mass of reference product, including packaging: 1382,3 g.

		Plastics	Metals	Others
Product	U23X (own thermoplastic formulation for trunkings)	89,8%	-	-
	U24X (own thermoplastic formulation for fittings)	3,3%	-	-
	Stainless steel (screws)	-	<0,1%	-
Packaging	Cardboard	-	-	6,0%
	Wood	-	-	0,4%
	Paper	-	-	0,1%
	Plastic film	0,5%	-	-
TOTAL		93,6%	<0,1%	6,4%

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 4,1%.



Product Environmental Profile
Trunking 93 in U23X



Keeping you safer

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 Unex logistic centre.
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© v6.3.0.1-18 and database CODDE 2025-04.

Indicators Set: PEF EF 3.1 (Compliance: PEP ed.4, EN15804+A2) v2.0

Indicator	Unit		A1-A3 Manufacturing	A4 Distribution	A5 Installation	B1-B7 Use	C1-C4 End of life	Sum
GWP Climate change	kg CO ₂ eq.	℞	2,05E+00	2,41E-02	3,08E-01	0,00E+00	4,19E-01	2,80E+00
		%	73,16	0,86	11,01	0,00	14,97	100,00
GWP-b Climate change-Biogenic	kg CO ₂ eq.	℞	2,19E-03	9,26E-08	1,44E-01	0,00E+00	3,26E-03	1,49E-01
		%	1,47	0,00	96,35	0,00	2,18	100,00
GWP-f Climate change-Fossil	kg CO ₂ eq.	℞	2,05E+00	2,41E-02	1,64E-01	0,00E+00	4,16E-01	2,65E+00
		%	77,20	0,91	6,20	0,00	15,69	100,00
GWP-lu Climate change-Land use and land use change	kg CO ₂ eq.	℞	1,74E-07	3,42E-08	9,41E-09	0,00E+00	3,44E-08	2,52E-07
		%	69,05	13,58	3,73	0,00	13,64	100,00
ODP Ozone depletion	kg CFC-11 eq.	℞	8,07E-07	2,76E-10	2,58E-08	0,00E+00	4,35E-08	8,77E-07
		%	92,06	0,03	2,95	0,00	4,96	100,00
AP Acidification	mol H ⁺ eq.	℞	6,52E-03	9,49E-05	5,96E-04	0,00E+00	3,56E-03	1,08E-02
		%	60,55	0,88	5,53	0,00	33,03	100,00
EP-fw Eutrophication, freshwater	kg P eq.	℞	5,69E-05	8,51E-08	2,91E-06	0,00E+00	7,07E-07	6,06E-05
		%	93,89	0,14	4,80	0,00	1,17	100,00
EP-m Eutrophication, marine	kg N eq.	℞	1,18E-03	2,00E-05	1,81E-04	0,00E+00	9,12E-04	2,29E-03
		%	51,45	0,87	7,89	0,00	39,79	100,00
EP-t Eutrophication, terrestrial	mol N eq.	℞	1,31E-02	2,19E-04	1,63E-03	0,00E+00	1,22E-02	2,71E-02
		%	48,28	0,81	6,03	0,00	44,87	100,00
POCP Photochemical ozone formation - human health	kg NMVOC eq.	℞	4,87E-03	6,12E-05	4,20E-04	0,00E+00	2,55E-03	7,89E-03
		%	61,64	0,77	5,32	0,00	32,26	100,00
ADP-e Resource use, minerals and metals	kg SB eq.	℞	8,70E-06	8,13E-09	2,36E-07	0,00E+00	7,35E-08	9,02E-06
		%	96,48	0,09	2,61	0,00	0,81	100,00
ADP-f Resource use, fossils	MJ	℞	5,67E+01	4,20E-01	2,85E+00	0,00E+00	7,60E+00	6,76E+01
		%	83,92	0,62	4,22	0,00	11,24	100,00
WDP Water use	m ³ eq.	℞	2,56E+00	8,20E-04	8,41E-02	0,00E+00	5,13E-02	2,69E+00
		%	94,94	0,03	3,13	0,00	1,91	100,00
PM Particulate matter	Disease occurrence	℞	5,01E-08	6,13E-10	3,94E-09	0,00E+00	2,37E-08	7,84E-08
		%	63,95	0,78	5,02	0,00	30,24	100,00
IRP Ionizing radiation, human health	kBq U ²³⁵ eq.	℞	1,06E+01	8,04E-04	3,01E-01	0,00E+00	1,34E-01	1,10E+01
		%	96,05	0,01	2,73	0,00	1,21	100,00
ETP-fw Ecotoxicity, freshwater	CTUe	℞	2,70E+01	6,61E-01	2,67E+00	0,00E+00	1,85E+01	4,89E+01
		%	55,33	1,35	5,45	0,00	37,86	100,00
HTP-c Human toxicity, cancer	CTUh	℞	2,63E-09	4,46E-12	9,95E-09	0,00E+00	1,46E-10	1,27E-08
		%	20,68	0,04	78,14	0,00	1,15	100,00
HTP-nc Human toxicity, non-cancer	CTUh	℞	1,12E-07	8,51E-11	3,52E-09	0,00E+00	6,55E-09	1,23E-07
		%	91,71	0,07	2,87	0,00	5,35	100,00
SQP Land use	No dimension	℞	1,09E+00	9,69E-05	3,19E-02	0,00E+00	1,37E-02	1,14E+00
		%	95,98	0,01	2,80	0,00	1,21	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	ℝ	3,18E+00	1,29E-03	2,76E-01	0,00E+00	5,44E-01	4,00E+00
		%	79,45	0,03	6,90	0,00	13,61	100,00
PERM Renewable primary energy used as raw material	MJ	ℝ	1,50E+00	0,00E+00	4,03E-02	0,00E+00	0,00E+00	1,54E+00
		%	97,39	0,00	2,61	0,00	0,00	100,00
PERT Total renewable primary energy	MJ	ℝ	4,68E+00	1,29E-03	3,16E-01	0,00E+00	5,44E-01	5,54E+00
		%	84,44	0,02	5,71	0,00	9,83	100,00
PENRE Non renewable primary energy used as energy	MJ	ℝ	3,95E+01	4,20E-01	2,36E+00	0,00E+00	7,60E+00	4,99E+01
		%	79,20	0,84	4,73	0,00	15,22	100,00
PENRM Non renewable primary energy used as raw material	MJ	ℝ	1,72E+01	0,00E+00	4,90E-01	0,00E+00	0,00E+00	1,77E+01
		%	97,23	0,00	2,77	0,00	0,00	100,00
PENRT Total non renewable primary energy	MJ	ℝ	5,67E+01	4,20E-01	2,85E+00	0,00E+00	7,60E+00	6,76E+01
		%	83,92	0,62	4,22	0,00	11,24	100,00
PET Total primary energy	MJ	ℝ	6,14E+01	4,21E-01	3,17E+00	0,00E+00	8,14E+00	7,31E+01
		%	83,96	0,58	4,33	0,00	11,14	100,00
SM Use of secondary material	kg	ℝ	2,83E-03	0,00E+00	8,40E-05	0,00E+00	0,00E+00	2,92E-03
		%	97,12	0,00	2,88	0,00	0,00	100,00
RSF Use of renewable secondary fuels	MJ	ℝ	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	ℝ	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	ℝ	5,87E-02	1,91E-05	2,35E-03	0,00E+00	1,18E-03	6,23E-02
		%	94,29	0,03	3,78	0,00	1,90	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	ℝ	2,51E-02	9,47E-05	2,03E-02	0,00E+00	4,64E-01	5,09E-01
		%	4,93	0,02	3,99	0,00	91,06	100,00
NHWD Non-Hazardous waste disposed	kg	ℝ	9,08E-02	2,14E-03	3,11E-02	0,00E+00	6,32E-02	1,87E-01
		%	48,49	1,15	16,59	0,00	33,77	100,00
RWD Radioactive waste disposed	kg	ℝ	1,80E-05	1,69E-06	7,41E-06	0,00E+00	2,60E-05	5,31E-05
		%	33,89	3,19	13,95	0,00	48,97	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	ℝ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		%	-	-	-	-	-	-
MFR Materials for recycling	kg	ℝ	3,61E-03	0,00E+00	7,31E-02	0,00E+00	0,00E+00	7,67E-02
		%	4,71	0,00	95,29	0,00	0,00	100,00
MER Materials for energy recovery	kg	ℝ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		%	-	-	-	-	-	-
EE Exported Energy	MJ	ℝ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
		%	-	-	-	-	-	-



Product Environmental Profile Trunking 93 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	3,66E-02	0,00E+00	9,86E-04	0,00E+00	0,00E+00	3,76E-02

Environmental impacts of homogeneous family products

This PEP includes all sizes of Trunkings 93 in U23X. The environmental impact of a system covered by PEP ecopassport[®] other than the reference system for which it was drawn up (93020-2) 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
50x80	93020-2	1,000
50x100	93021-2	1,114
50x130	93022-2	1,321
50x150	93074-2	1,932
50x170	93076-2	2,114
50x170	93125-2	2,332
70x100	93031-2	1,293
70x130	93032-2	1,543
70x170	93086-2	2,210
70x210	93087-2	2,614
70x230	93138-2	2,781

Company information

UNEX aparellaje eléctrico, S.L.

Pallars 172-174 Distrito 22@ 08005 Barcelona, Spain

www.unex.net

environment@unex.net

Production site located near Madrid, Spain

¹ The EN 50085 standard series will be replaced in the future by the EN IEC 61084 series.

Technical characteristics of Trunkings 93 in U23X are the same in both EN IEC 61084 and EN 50085.

Registration number: UNEX-00011-V01.01-EN	Drafting Rules “PCR-ed4-EN-2021 09 06” Supplemented by “PSR-0003-ed2.1-EN-2023 12 08”	
Verifier accreditation number: VH32	Information and reference documents: www.pep-ecopassport.org	
Date of issue: 06-2025	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”		