

Product Environmental Profile

Product family name: PATCH CORDS

Reference product name: PATCH CORD 2SM SC/UPC 0,5m



1,50E-02

kg CO₂ eq.

Climate change - total



1,28E-06

kg Sb eq.

Resource use - minerals & metals (ADPe)



3,43E-04

m³

Net use of fresh water



3,21E-01

MJ

Total Primary Energy

The above environmental impacts are "cradle to gate" or "Manufacturing phase" values (A1-A3) and one optical connector for reference product (functional unit).

PEP ecopassport N°:	NXNS-00789-V01.01-EN	Product Category Rules:	PEP-PCR-ed4-EN-2021 09 06
Verifier accreditation N°:	VH08	Product Specific Rules:	PSR-0001-ed4-EN-2022 11 16
Date of publication:	06-2026	Program information & documents:	www.pep-ecopassport.org
		Validity period:	5 years
Independent verification of the declaration and data, in accordance with ISO 14025 : 2006			
Internal ☐ External ☒			
The PCR critical review was conducted by a panel of experts chaired by Julie Orgelet (Ddomain).			
PEP are compliant with XP C08-100-1 :2016 or EN 50693			
The elements of the present PEP cannot be compared with elements from another program.			
Compliant with ISO 14025: 2006 "Environmental labels and declarations - Type III environmental declarations".			



REALIZED BY:

Robert Lindqvist
SE-514 81 GRIMSÅS - Sweden
robert.lindqvist@nexans.com

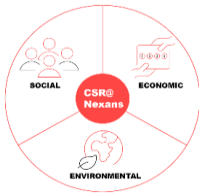
+4632580000

<https://www.nexans.com/csr.html>



Nexans Corporate Social Responsibility commitment

Corporate Social Responsibility which is the confluence between environmental, economic and social aspects, is an integral part of the Nexans’s strategy. Nexans has been supporting the **United Nations Global Compact** since December 2008 and has implemented internal action plans to integrate Sustainable Development at all levels. It includes responsible governance, healthy and safe working environment for employees, reduced global carbon footprint through the **Nexans Carbon Neutrality strategy**.



Reference Product description

PATCH CORD 2SM SC/UPC 0,5m

Patchcords in different length used for cross-connections or termination of active-equipment. The patchcord has two preconnected ends. Tight buffered fibres are used in the patchcord. The cable is sheathed with yellow flame-retardant and halogen-free sheath.

Products covered:

The aforementioned products belong to the category Optical telecom accessories of the Product Specific Rules (PSR) from the PEP ecopassport® program.

The PEP concern all the products in the range PATCH CORDS and the reference product of the PEP is PATCH CORD 2SM SC/UPC 0,5m. The reference product have 4 connection points.

Functional unit:

To protect and link a connection point, during 20 years with a 100% use rate in accordance with the standards in force, detailed in the data sheet available on our website www.nexans.com.

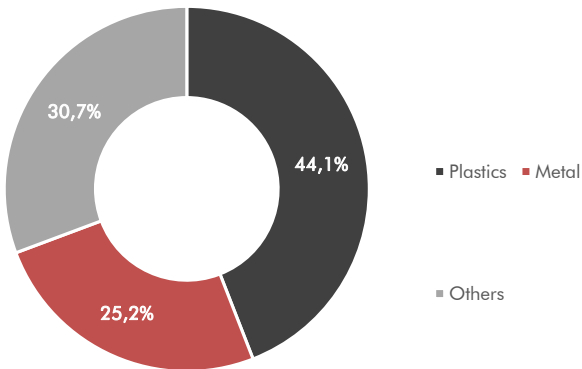
Lifetime and use rate correspond to the Infrastructure-Telecom network (fixed and mobile) application as defined in the table given in Appendix 1 of the specific rules for wires, cables and accessories.

This PEP has been drawn up considering the following parameters:

- 1 connection point for all life cycle stages

All environmental impacts have been allocated to one connection point. This means that the ratio of reference flow per functional unit is 1/4.

Constituent materials



The total mass of the reference product and packaging is 0,01kg. Constituent materials are distributed as given in the graph.

Nexans has implemented necessary procedures to ensure product compliance with the relevant standards when products are put on the market.



Manufacturing



- All the products in the range are manufactured in China .
- The electricity mix model for the manufacturing stage is China >1 kV.
- All Nexans sites have implemented a certified Environmental Management System according to ISO14001 standard.

Packaging designed to reduce environmental impacts:

- Packaging was designed according to the applicable standard (Directive 94/62/EC).
- The packaging considered to transport the reference product is a plastic bag. It is considered to be used 1 time.

Distribution



The transportation scenario for the impact assessment of the distribution stage is worldwide, considering:

- 1000 km covered by truck.
- 19000 km covered by boat.

Installation



Installation processes for the reference product are considered out of the scope of the study, according to the Product Specific Rules document for "Wires, Cables and Accessories" from PEP ecopassport® program. Only packaging disposal is considered at this stage.

Use



The use scenario considers the operation of the reference product in Infrastructure - Telecom network (fixed and mobile), with:

- | | | |
|---------------------------------------|--|-------|
| • Reference Lifetime (RLT) = 20 years | • Use rate = 100 % | |
| • Number of connection point: 1 | • Power lost per connection point* (mW): | 0,109 |
| • Type of connection: Connectors | | |

(*According to the default value provided in the PSR document)

Considering the aforementioned hypotheses, the energy consumption over the RLT at use stage is 76,39 Wh.

- The electricity mix considered at use stage is Sweden ≤ 1 kV.
- No maintenance is necessary to ensure the operation of the accessory during the considered reference lifetime.

The reference lifetime mentioned in this PEP corresponds to an average data used for impact calculation, taking into account the average time a accessory might be installed in a system before being disposed. **It CANNOT BE considered as an equivalent to the guaranteed product technical lifetime.**

End-of-life



- The transportation scenario chosen for the impact analysis associated with end-of-life stage is 1000 km covered by truck.
- Accessory end-of-life stage includes also a step of manual separation from the equipment (cable, transformer, etc.) and the separated materials are then assumed to be recycled, incinerated or landfilled.



III. ENVIRONMENTAL IMPACTS

The reference product PATCH CORD 2SM SC/UPC 0,5m belongs to the Product Category Rules (PEP-PCR-ed4-EN-2021 09 06) and Product Specific Rules (PSR-0001-ed4-EN-2022 11 16) from the PEP ecopassport® program. According to the PCR, the life cycle impact assessment of the reference product takes into account manufacturing, distribution, installation, use and end-of-life stages.

All the necessary hypotheses to evaluate the environmental impacts of the reference product lifecycle are presented in the previous sections (electricity mix models, use scenario, etc). The software used to perform the evaluation is EIME 6.3.4-11, with the Nexans-2025-04 database.

Representativeness: the study is representative of accessory production in China with a worldwide scenario for distribution. The electricity model for use is Sweden ≤1 kV and the model for end-of-life is Sweden ≤1 kV.

Impact results for one connection point of PATCH CORD 2SM SC/UPC 0,5m

Mandatory indicators:

Environmental indicator/flows	Unit	A1-Raw materials	A2-Transport to manufacturer	A3-Manufacturing process	Total A1-A3	A4-Distribution to customer	A5-Installation*	B6-Use**	End-of-life (C1-C4)	TOTAL
Climate change - total (GWP)	kg CO ₂ eq.	9,90E-03	5,33E-04	4,54E-03	1,50E-02	2,58E-04	4,54E-05	6,42E-04	1,59E-03	1,75E-02
Climate change - fossil (GWPf)	kg CO ₂ eq.	9,67E-03	5,33E-04	4,48E-03	1,47E-02	2,58E-04	4,53E-05	4,46E-04	1,59E-03	1,70E-02
Climate change - biogenic (GWPb)	kg CO ₂ eq.	2,25E-04	1,99E-09	5,47E-05	2,79E-04	5,18E-10	1,59E-07	1,95E-04	6,45E-06	4,81E-04
Climate change - land use & land use change (GWPlu)	kg CO ₂ eq.	2,74E-08	7,34E-10	5,27E-10	2,87E-08	1,88E-10	9,59E-12	0,00E+00	4,78E-10	2,94E-08
Ozone layer depletion (ODP)	kg CFC-11 eq.	1,17E-09	5,96E-12	1,11E-10	1,29E-09	1,70E-12	1,48E-12	1,14E-11	4,62E-11	1,35E-09
Acidification potential of soil and water (AP)	mol H ⁺ eq.	1,54E-04	1,98E-06	2,18E-05	1,78E-04	3,60E-06	1,72E-07	9,74E-06	5,08E-06	1,96E-04
Eutrophication - freshwater (Epf)	kg PO43- eq.	4,95E-08	1,89E-09	9,40E-08	1,45E-07	6,90E-10	7,35E-11	2,57E-08	2,94E-09	1,75E-07
Eutrophication - marine (Epm)	kg N eq.	8,01E-06	4,76E-07	3,58E-06	1,21E-05	9,80E-07	4,35E-08	8,51E-07	8,90E-07	1,48E-05
Eutrophication - terrestrial (Ept)	mol N eq.	8,82E-05	5,22E-06	3,89E-05	1,32E-04	1,07E-05	5,70E-07	3,65E-05	1,14E-05	1,92E-04
Photochemical ozone formation - human health (POCP)	kg NMVOC eq.	5,27E-05	1,42E-06	1,42E-05	6,83E-05	2,71E-06	1,26E-07	1,87E-06	2,89E-06	7,59E-05
Resource use - minerals & metals (ADPe)	kg Sb eq.	1,28E-06	1,75E-10	7,58E-10	1,28E-06	4,94E-11	5,43E-12	2,96E-09	2,20E-10	1,29E-06
Resource use - fossils (ADPf)	MJ	2,35E-01	9,26E-03	6,34E-02	3,08E-01	4,00E-03	5,00E-04	1,02E-01	1,73E-02	4,31E-01
Water use (WU)	m3 eq.	8,49E-03	1,84E-05	6,20E-03	1,47E-02	7,09E-06	2,26E-06	3,53E-04	1,72E-04	1,52E-02
Use of renewable primary energy excluding renewable primary energy used as raw material (PERE)	MJ	9,48E-03	2,72E-05	3,93E-03	1,34E-02	6,99E-06	3,25E-05	7,43E-02	1,46E-03	8,92E-02
Use of renewable primary energy used as raw material (PERM)	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Total use of renewable primary energy resources (PERT)	MJ	9,48E-03	2,72E-05	3,93E-03	1,34E-02	6,99E-06	3,25E-05	7,43E-02	1,46E-03	8,92E-02
Non-renewable primary energy excluding non-renewable primary energy resources used as raw materials (PENRE)	MJ	1,71E-01	9,26E-03	5,72E-02	2,37E-01	4,00E-03	5,00E-04	1,02E-01	1,73E-02	3,61E-01
Use of non renewable primary energy resources used as raw materials (PENRM)	MJ	6,43E-02	0,00E+00	6,17E-03	7,05E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	7,05E-02
Total use of non-renewable primary energy resources (PENRT)	MJ	2,35E-01	9,26E-03	6,34E-02	3,08E-01	4,00E-03	5,00E-04	1,02E-01	1,73E-02	4,31E-01
Use of secondary material (SM)	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of renewable secondary fuels (RSF)	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Use of non renewable secondary fuels (NRSF)	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Net use of fresh water (FW)	m3	1,98E-04	4,29E-07	1,45E-04	3,43E-04	1,65E-07	3,90E-08	8,28E-06	4,45E-06	3,56E-04
Hazardous waste disposed (HWD)	kg	8,27E-02	2,04E-06	6,58E-05	8,28E-02	5,40E-07	2,32E-05	1,36E-04	2,90E-04	8,32E-02
Non hazardous waste disposed (NHWD)	kg	5,58E-03	4,51E-05	4,52E-04	6,08E-03	1,16E-05	3,58E-06	5,93E-04	4,33E-04	7,12E-03
Radioactive waste disposed	kg	2,18E-06	3,57E-08	5,81E-08	2,27E-06	9,16E-09	1,70E-09	3,48E-08	5,34E-08	2,37E-06
Components for reuse (CRU)	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Materials for recycling (MFR)	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	5,63E-04	5,63E-04
Materials for energy recovery (MER)	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
Exported Energy (EE)	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00

* Installation stage includes only packaging disposal. Impacts related to installation processes might be completed by the PEP user.

**In order to find the environmental impacts specific to your application during the use phase, the values in the column Use must be multiplied by the number of connection points used.

Note: As mentioned in the PSR0001: B1, B2, B3,B4,B5 & B7 stages are not applicables for this product category

Environmental indicator/flows	Unit	Total
Biogenic carbon content - product (BC-pro)	kg of C	0,00E+00
Biogenic carbon content - packaging (BC-pack)	kg of C	0,00E+00

Biogenic carbon storage is calculated according to the 0/0 assessment methodology.

Optional indicators:

Environmental indicator/flow complete name	Unit	A1-Raw materials	A2-Transport to manufacturer	A3-Manufacturing process	Total A1-A3	A4-Distribution to customer	A5-Installation*	B6-Use**	End-of-life (C1-C4)	TOTAL
Total Primary Energy (TPE)	MJ	2,44E-01	9,29E-03	6,73E-02	3,21E-01	4,01E-03	5,32E-04	1,76E-01	1,88E-02	5,20E-01
EF-particulate matter (EF-PM)	Disease occurrence	9,86E-10	1,15E-11	1,34E-10	1,13E-09	1,54E-11	1,17E-12	1,64E-10	3,42E-11	1,35E-09
Ionising radiation, human health (IR)	kg U235 eq.	6,32E-02	1,73E-05	5,83E-04	6,38E-02	4,76E-06	7,92E-06	1,40E-02	3,56E-04	7,81E-02
Ecotoxicity, freshwater (Eco-fw)	CTUe	6,26E-02	1,42E-02	1,54E-02	9,21E-02	3,66E-03	1,07E-03	3,55E-03	2,27E-02	1,23E-01
Human toxicity, cancer (HT-c)	CTUh-c	3,37E-11	9,62E-14	2,39E-12	3,62E-11	2,74E-14	9,65E-15	1,09E-13	2,45E-13	3,66E-11
Human toxicity, non-cancer (HT-nc)	CTUh-nc	1,56E-09	1,83E-12	1,64E-11	1,58E-09	5,18E-13	3,23E-13	3,73E-12	8,63E-12	1,59E-09
Land use (LU)	No dimension	4,28E-04	2,08E-06	5,12E-04	9,42E-04	5,35E-07	4,67E-07	1,39E-04	1,63E-05	1,10E-03

Environmental indicators are calculated according to JRC method - EF3.1.

* Installation stage includes only packaging disposal. Impacts related to installation processes might be completed by the PEP user.

**In order to find the environmental impacts specific to your application during the use phase, the values in the column Use must be multiplied by the number of connection points used.



IV. EXTRAPOLATION RULES FOR THE PRODUCT FAMILY PATCH CORD 2SM SC/UPC 0,5m

General information

The extrapolation rules have been calculated based on the environment impact assessment results of 3 products in the range PATCH CORDS. The reference product is PATCH CORD 2SM SC/UPC 0,5m.

The extrapolation rules below apply to a connection point of product. In the following section, the product weight is expressed in kg.

Functional unit: Extrapolation rules for each life cycle stage

The extrapolation rules below apply to a connection point of product (one optical connector). In the following section, the product weight is expressed in kg.

	Life cycle stage	Applicable extrapolation principle	Formula to calculate each environmental indicator	Example: If the product weight is 10,01 kg and has 15 connection points, each indicator value shall be calculated with:	Mean deviation of extrapolation rule
	A1-Raw materials	Linear variation versus weight	Indicator = (a x product weight + b) / number of connection points	Indicator = ((10,01 x a) + b) / 15.	7,06%
	A2-Transport to manufacturer	Linear variation versus weight	Indicator = (a x product weight + b) / number of connection points	Indicator = ((10,01 x a) + b) / 15.	3,15%
	A3-Manufacturing process	Linear variation versus weight	Indicator = (a x product weight + b) / number of connection points	Indicator = ((10,01 x a) + b) / 15.	6,82%
	A4-Distribution to customer	Linear variation versus weight	Indicator = (a x product weight + b) / number of connection points	Indicator = ((10,01 x a) + b) / 15.	0,00%
	A5-Installation	Linear variation versus weight	Indicator = (a x product weight + b) / number of connection points	Indicator = ((10,01 x a) + b) / 15.	0,00%
	B6-Use	Maximum impact	There is no extrapolation principle applicable to the use stage. The impact indicators values depend on the number of connection points and the type of connection chosen as a reference. In order to find the environmental impacts specific to your application during the use phase of the product, the use phase environmental impacts of the reference product must be multiplied by the number of connection points used.	Indicator = a	-
	C1-C4-End of life	Linear variation versus weight	Indicator = (a x product weight + b) / number of connection points	Indicator = ((10,01 x a) + b) / 15.	1,84%

Declared unit: Extrapolation rules for each life cycle stage

The extrapolation rules below apply to all connection points of the product (all optical connectors). In the following section, the product weight is expressed in kg.

	Life cycle stage	Applicable extrapolation principle	Formula to calculate each environmental indicator	Example: If the product weight is 10 kg and has 15 optical fibres, each indicator value shall be calculated with:	Mean deviation of extrapolation rule
	A1-Raw materials	Linear variation versus weight	Indicator = a x product weight + b	Indicator = (10,01 x a) + b	7,06%
	A2-Transport to manufacturer	Linear variation versus weight	Indicator = a x product weight + b	Indicator = (10,01 x a) + b	3,15%
	A3-Manufacturing process	Linear variation versus weight	Indicator = a x product weight + b	Indicator = (10,01 x a) + b	6,82%
	A4-Distribution to customer	Linear variation versus weight	Indicator = a x product weight + b	Indicator = (10,01 x a) + b	0,00%
	A5-Installation	Linear variation versus weight	Indicator = a x product weight + b	Indicator = (10,01 x a) + b	0,00%
	B6-Use	Linear variation versus connection points	There is no extrapolation principle applicable to the use stage. The impact indicators values depend on the number of connection points and the type of connection chosen as a reference. In order to find the environmental impacts specific to your application during the use phase of the product, the use phase environmental impacts of the reference product must be multiplied by the number of connection points used.	Indicator = a x connection points	-
	C1-C4-End of life	Linear variation versus weight	Indicator = (a x product weight + b) / number of connection points	Indicator = (10,01 x a) + b	1,84%

Table to be considered for extrapolation calculations of different life cycle stages:

	A1-Raw materials		A2-Transport to manufacturer		A3-Manufacturing process		A4-Distribution to customer		A5-Installation		B6-Use	C1-C4 End of life	
	a	b	a	b	a	b	a	b	a	b	a	a	b
GWP	1,38E+00	2,71E-02	1,65E-01	6,52E-04	1,10E+00	7,39E-03	9,84E-02	4,92E-05	3,80E-36	1,82E-04	6,42E-04	3,54E-01	3,15E-03
GWPf	1,33E+00	2,67E-02	1,65E-01	6,52E-04	1,08E+00	7,35E-03	9,84E-02	4,92E-05	0,00E+00	1,81E-04	4,46E-04	3,53E-01	3,13E-03
GWPb	5,62E-02	3,98E-04	6,77E-07	1,90E-09	1,88E-02	3,52E-05	1,97E-07	9,86E-11	0,00E+00	6,37E-07	1,95E-04	8,02E-04	1,87E-05
GWPlu	3,11E-05	-1,67E-07	2,50E-07	6,97E-10	5,55E-07	-2,83E-09	7,18E-08	3,59E-11	0,00E+00	3,84E-11	0,00E+00	7,74E-08	1,14E-09
ODP	1,30E-07	3,52E-09	2,01E-09	5,87E-12	2,74E-08	1,77E-10	6,49E-10	3,24E-13	1,13E-43	5,93E-12	1,14E-11	8,93E-09	1,04E-10
AP	5,71E-03	5,62E-04	2,61E-04	5,59E-06	3,40E-03	5,42E-05	1,37E-03	6,86E-07	1,48E-38	6,88E-07	9,74E-06	8,34E-04	1,28E-05
Epf	3,74E-05	-1,35E-07	6,18E-07	2,04E-09	4,54E-05	-5,84E-08	2,63E-07	1,31E-10	0,00E+00	2,94E-10	2,57E-08	5,98E-07	6,23E-09
Epm	1,11E-03	2,18E-05	4,74E-05	1,48E-06	8,90E-04	5,62E-06	3,73E-04	1,87E-07	0,00E+00	1,74E-07	8,51E-07	2,14E-04	1,64E-06
Ept	1,21E-02	2,42E-04	5,20E-04	1,62E-05	9,33E-03	6,46E-05	4,09E-03	2,04E-06	0,00E+00	2,28E-06	3,65E-05	2,74E-03	2,09E-05
POCP	6,21E-03	1,54E-04	1,68E-04	4,17E-06	3,25E-03	2,49E-05	1,03E-03	5,17E-07	0,00E+00	5,04E-07	1,87E-06	6,50E-04	5,70E-06
ADPe	8,58E-09	5,13E-06	5,90E-08	1,72E-10	5,82E-07	-2,19E-09	1,88E-08	9,41E-12	4,53E-43	2,17E-11	2,96E-09	3,28E-08	5,68E-10
ADPf	5,03E+01	4,88E-01	2,94E+00	1,07E-02	1,01E+01	1,55E-01	1,52E+00	7,62E-04	0,00E+00	2,00E-03	1,02E-01	2,70E+00	4,42E-02
WU	1,43E+00	2,12E-02	5,95E-03	2,03E-05	6,11E+00	-2,98E-02	2,70E-03	1,35E-06	0,00E+00	9,04E-06	3,53E-04	1,56E-02	5,48E-04
PÈRE	5,06E-01	3,34E-02	9,26E-03	2,58E-05	3,36E-01	1,25E-02	2,66E-03	1,33E-06	0,00E+00	1,30E-04	7,43E-02	1,50E-01	4,49E-03
PERM	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PERT	5,06E-01	3,34E-02	9,26E-03	2,58E-05	3,36E-01	1,25E-02	2,66E-03	1,33E-06	0,00E+00	1,30E-04	7,43E-02	1,50E-01	4,49E-03
PENRE	2,00E+01	5,02E-01	2,94E+00	1,07E-02	1,01E+01	1,30E-01	1,52E+00	7,62E-04	0,00E+00	2,00E-03	1,02E-01	2,70E+00	4,42E-02
PENRM	3,03E+01	-1,39E-02	0,00E+00	0,00E+00	0,00E+00	2,47E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
PENRT	5,03E+01	4,88E-01	2,94E+00	1,07E-02	1,01E+01	1,55E-01	1,52E+00	7,62E-04	0,00E+00	2,00E-03	1,02E-01	2,70E+00	4,42E-02
SM	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	3,33E-02	4,94E-04	1,39E-04	4,73E-07	1,42E-01	-6,94E-04	6,29E-05	3,15E-08	0,00E+00	1,56E-07	8,28E-06	2,12E-04	1,59E-05
HWD	4,66E-03	3,31E-01	6,92E-04	1,96E-06	4,10E-03	2,24E-04	2,06E-04	1,03E-07	1,90E-36	9,28E-05	1,36E-04	1,05E-01	2,21E-04
NHWD	1,06E-02	2,22E-02	1,53E-02	4,28E-05	4,40E-02	1,38E-03	4,41E-03	2,20E-06	0,00E+00	1,43E-05	5,93E-04	1,85E-02	1,56E-03
RWD	2,53E-05	8,49E-06	1,22E-05	3,39E-08	1,93E-05	4,72E-08	3,49E-06	1,74E-09	1,16E-40	6,80E-09	3,48E-08	9,82E-06	1,22E-07
CRU	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,25E-03
MER	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EE	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
BC-pro	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
BC-pack	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
TPE	5,08E+01	5,22E-01	2,95E+00	1,08E-02	1,04E+01	1,68E-01	1,53E+00	7,63E-04	0,00E+00	2,13E-03	0,00E+00	2,86E+00	4,87E-02
EF-PM	4,68E-08	3,52E-09	2,24E-09	2,58E-11	2,27E-08	3,15E-10	5,86E-09	2,93E-12	0,00E+00	4,69E-12	0,00E+00	5,68E-09	8,54E-11
IR	8,79E+01	-5,19E-01	5,85E-03	1,68E-05	1,18E-01	1,17E-03	1,82E-03	9,08E-07	0,00E+00	3,17E-05	0,00E+00	3,90E-02	1,08E-03
Eco-fw	9,55E+00	1,65E-01	4,82E+00	1,35E-02	3,81E+00	2,43E-02	1,39E+00	6,96E-04	0,00E+00	4,26E-03	0,00E+00	6,31E+00	3,29E-02
HT-c	8,77E-09	5,66E-11	3,24E-11	9,46E-14	5,96E-11	8,98E-12	1,04E-11	5,22E-15	0,00E+00	3,86E-14	0,00E+00	5,91E-11	4,42E-13
HT-nc	5,95E-09	6,18E-09	6,18E-10	1,80E-12	2,29E-09	4,34E-11	1,97E-10	9,87E-14	0,00E+00	1,29E-12	0,00E+00	1,69E-09	1,92E-11
LU	4,39E-01	-2,20E-03	7,08E-04	1,98E-06	4,56E-01	-2,02E-03	2,04E-04	1,02E-07	2,97E-38	1,87E-06	0,00E+00	2,29E-03	4,47E-05



VI. PRODUCTS COVERED BY THE PEP

The products covered by the given PEP are represented in the below table:

Product name	Connection points
PATCH CORD 1SM SC/UPC 1-15 m	2
PATCH CORD 2SM SC/UPC 0,5-30 m	4
PATCH CORD 1SM SC/APC 0,5-15 m	2
PATCH CORD 2SM SC/APC 1-30 m	4
PATCH CORD 1SM SC/UPC-SC/APC 0,5-15 m	2
PATCH CORD 2SM SC/UPC-SC/APC 1-30 m	4
PATCH CORD 1SM LC/UPC 0,5-15 m	2
PATCH CORD 2SM LC/UPC 0,5-30 m	4
PATCH CORD 1SM SC/UPC-LC/UPC 0,5-15 m	2
PATCH CORD 2SM SC/UPC-LC/UPC 0,5-30 m	4
PATCH CORD 1SM SC/APC-LC/UPC 1-15 m	2
PATCH CORD 2SM SC/APC-LC/UPC 1-30 m	4
PATCH CORD 1SM LC/APC 0,5-15 m	2
PATCH CORD 2SM LC/APC 0,5-30 m	4
PATCH CORD 1SM SC/UPC-LC/APC 0,5-15 m	2
PATCH CORD 2SM SC/UPC-LC/APC 1-30 m	4
PATCH CORD 1SM SC/APC-LC/APC 1-15 m	2
PATCH CORD 2SM SC/APC-LC/APC 1-30 m	4
PATCH CORD 1SM LC/UPC-LC/APC 1-15 m	2
PATCH CORD 2SM LC/UPC-LC/APC 1-30 m	4
PATCH CORD 2SM FC/UPC 1-30 m	4
PATCH CORD 2SM FC/UPC-SC/UPC 1-10 m	4
PATCH CORD 2SM FC/UPC-LC/UPC 1-10 m	4
PATCH CORD 2SM FC/UPC-LC/APC 1-10 m	4
VILLAPATCH 1SM SC/UPC 1m SLIM	2
VILLAPATCH 1SM SC/UPC 0,5-20 m	2
VILLAPATCH 1SM SC/APC 0,5-15 m	2
VILLAPATCH 1SM SC/UPC-SC/APC 0,5-15 m	2
VILLAPATCH 1SM SC/UPC-LC/UPC 0,5-15 m	2
PATCH CORD REINFORCED 2SM SC/UPC 10-50 m	4
PATCH CORD REINFORCED 2SM LC/UPC 10-50 m	4
PATCH CORD REINFORCED 2SM SC/UPC-LC/UPC 10-50 m	4