



Product Environmental Profile

Family technical name: PFXP 500V

PFXP 500V 3G2,5 E4 200m Reference product name:





623 kg CO₂ eq.

Climate change - total



0,08957

kg Sb eq. Resource use - minerals

& metals (ADPe)



Net use of fresh water



21725

Total Primary Energy

The above environmental impacts are "cradle to gate" or "Manufacturing phase" values (A1-A3)

PEP ecopassport N°:	NXNS-00304-V01.01-EN	Product Category Rules:	PEP-PCR-ed4-EN-2021 (PEP-PCR-ed4-EN-2021 09 06 PSR-0001-ed4-EN-2022 11 16				
TEI GCOPGSSPOITTY.		Product Specific Rules:	PSR-0001-ed4-EN-2022					
Verifier accreditation N°:	VH08	Program information & documents:	www.pep-ecopassport.o	rg				
Date of publication:	12-2023	Validity period:	5 years					
•	ne declaration and data, in accordance ernal 🗷	e with ISO 14025 : 2006						
•	·	e with ISO 14025 : 2006						
Internal Ex	rernal 🗷			PEP				
Internal Extended The PCR critical review was considered to the PCR cri	rernal 🗷	by Julie Orgelet (Ddemain).		PEF ecc PASS POR				

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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

PFXP 500V 3G2,5 E4 200m

Double insulated installation cable for use on cable ladders and in conduits and channels. May also be installed directly in insulated walls without any extra protection. Recommended for outdoor use on walls where the cable is not exposed to mechanical stress. 1,5 and 2,5 mm² products are not recommended to buried into the ground. 4 and 6 mm² products can installed into the ground given extra protection. UV-resistant outer sheath. The cable can be used in low voltage systems 230 V and 400 V.

Products covered:

The aforementioned products belong to the category Wires, Cables and Accessories of the Product Category Rules (PCR) from the PEP ecopassport® program.

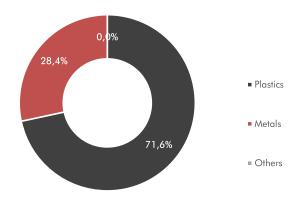
The PEP concern all the products in the range PFXP 500V and the reference product of the PEP is PFXP 500V 3G2,5 E4 200m.

Functional unit:

To transmit energy expressed for 1A over a distance of 1km during 30 years and a 70% use rate, in accordance with the relevant standards, detailed in the data sheet available on our website www.nexans.com.

Lifetime and use rate correspond to the Building - Residential / Tertiary / Industrial application as defined in the table given in Appendix 1 of the specific rules for wires, cables and accessories.

Constituent materials



The total mass of the reference product and packaging is 225kg/km. 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.

II. LIFE CYCLE ASSESSMENT



Manufacturing



- All the products in the range PFXP 500V are manufactured in Norway.
- The electricity mix model for the manufacturing stage is from Norway, ≤ 1 kV.
- · All Nexans sites in Norway 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 . It is considered to be used 1 time.

Distribution



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

• 1000 km covered by truck.

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 5% of product losses and packaging disposal is considered in this stage.

Use



The use scenario considers the operation of the reference product in Building - Residential / Tertiary / Industrial, with:

• Reference Lifetime (RLT) = 30 years

Use rate = 70 %

Considering the aforementioned hypotheses, the energy consumption over the RLT at use stage is 2726,29 kWh/km.

This value is calculated for I=1 A. For the effective consumption of the cable installed, multiply the value given by the square of intensity.

- The electricity mix considered at use stage is Norway, ≤ 1 kV.
- No maintenance is necessary to ensure the operation of the cable 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 cable 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.
- The assumed electricity mix model for end-of-life stage is Norway, $>1\,$ kV.

The cables are recycled through a grinding process for the separation of polymers and metal parts. The separated materials are then assumed to be recycled, incinerated or landfilled.

If the customer wants to recycle their cables at the end-of-life, Nexans has the know-how of cables recycling at their end-of-life through the structure named Nexans Recycling Services (recycling.services@nexans.com), to offer a complete solution for the recycling of polymers and metals.



III. ENVIRONMENTAL IMPACTS

The reference product PFXP 500V 3G2,5 E4 200m 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 5.9.4, with the Nexans-2023-12 database.

Representativeness: the study is representative of cable production in Norway with a local scenario for distribution. The electricity model for use is Norway, ≤ 1 kV and the model for end-of-life is Norway, > 1 kV.

Impact results for 1000 m of PFXP 500V 3G2,5 E4 200m

Mandatory indicators:

Climate change - fossil (GWPf) kg CO2 eq. 5,87E+02 1,13E+01 2,58E+01 6,47E+01 1,54E+02 8 Climate change - biogenic (GWPb) kg CO2 eq. 3,54E+01 0,00E+00 1,70E+00 1,49E+01 4,39E+01 5,00E+00 1,00E+00 1,00E+00 1,00E+00 1,49E+01 4,39E+01 5,0EE+02 1,30E+01 1,00E+00 1,00E+00 1,49E+01 1,49E+01 4,39E+01 1,36E+02 1,20E+01 1,20E+04 1,26E+02 1,20E+01 1,20E+04 1,20E+01 1,20E+04 1,20E+04 1,20E+01 1,20E+04 1,20E+01 1,20E+04 1,20E+01 1,20E+04 1,20E+01 1,20E+04 1,20E+01 1,20E+04 1,20E+01 1,20E+04 1,20E+04 1,20E+01 1,20E+04 1,20E+04 1,20E+01 1,20E+04	TOTAL
Climate change - biogenic (GWPb) kg CO ₂ eq. 3,54E+01 0,00E+00 1,70E+00 1,49E+01 4,39E-01 5	,96E+02
Climate change - land use & land use change (GWPlu) kg CO ₂ eq. 5,71E-02 0,00E+00 2,85E-03 0,00E+00 0,00E+00 0.00E+00 0.00E+00	,43E+02
Czone layer depletion (ODP) kg CFC-11 eq. 1,73E-04 1,74E-08 8,66E-06 6,68E-08 6,40E-06 Acidification potential of soil and water (AP) mol H + eq. 1,33E+01 7,18E-02 6,22E-01 9,16E-02 2,03E-01 1 Eutrophication - freshwater (Epf) kg PO43- eq. 1,11E-02 4,25E-06 4,90E-04 6,05E-06 1,38E-03 Eutrophication - marrine (Epm) kg N eq. 6,65E-01 3,37E-02 2,34E-02 2,28E-02 6,51E-02 Eutrophication - terrestrial (Ept) mol N eq. 7,42E+00 3,69E-01 2,63E-01 2,50E-01 7,31E-01 5 Photochemical ozone formation - human health (POCP) kg NMVOC eq. 3,17E+00 9,31E-02 1,28E-01 6,82E-02 2,06E-01 3 3 3 3 3 3 3 3 3	,24E+01
Acidification potential of soil and water (AP)	5,99E-02
Eutrophication - freshwater (Epf) kg PO43- eq. 1,11E-02 4,25E-06 4,90E-04 6,05E-06 1,38E-03 Eutrophication - marine (Epm) kg N eq. 6,65E-01 3,37E-02 2,34E-02 2,28E-02 6,51E-02 5 Eutrophication - terrestrial (Ept) mol N eq. 7,42E+00 3,69E-01 2,63E-01 2,50E-01 7,31E-01 5 Photochemical ozone formation - human health (POCP) kg NMVOC eq. 3,17E+00 9,31E-02 1,28E-01 6,82E-02 2,06E-01 3 Resource use - minerals & metals (ADPe) kg Sb eq. 8,96E-02 4,46E-07 4,48E-03 5,51E-04 1,54E-05 7 Resource use - fossils (ADPf) MJ 2,07E+04 1,58E+02 9,30E+02 5,54E+02 6,52E+02 2 2,36E+02 1,10E+03 4,31E-02 5,28E+01 8,62E+02 2,36E+02 2 2,36E+02 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	,88E-04
Eutrophication - marine (Epm) kg N eq. 6,65E-01 3,37E-02 2,34E-02 2,28E-02 6,51E-02 Eutrophication - terrestrial (Ept) mol N eq. 7,42E+00 3,69E-01 2,63E-01 2,50E-01 7,31E-01 5 Photochemical ozone formation - human health (POCP) kg NMVOC eq. 3,17E+00 9,31E-02 1,28E-01 6,82E-02 2,06E-01 3 Resource use - minerals & metals (ADPe) kg NMVOC eq. 3,17E+00 9,31E-02 1,28E-01 6,82E-02 2,06E-01 3 Resource use - fossils (ADPe) kg Sb eq. 8,96E-02 4,46E-07 4,48E-03 5,51E-04 1,54E-05 1	,43E+01
Eutrophication - terrestrial (Ept) mol N eq. 7,42E+00 3,69E-01 2,63E-01 2,50E-01 7,31E-01 9 Photochemical ozone formation - human health (POCP) kg NMVOC eq. 3,17E+00 9,31E-02 1,28E-01 6,82E-02 2,06E-01 3 Resource use - minerals & metals (ADPe) kg Sb eq. 8,96E-02 4,46E-07 4,48E-03 5,51E-04 1,54E-05 9 Resource use - fossils (ADPf) MJ 2,07E+04 1,58E+02 9,30E+02 5,54E+02 6,52E+02 2 Water use (WU) m3 eq. 1,10E+03 4,31E-02 5,28E+01 8,62E+02 2,36E+02 1 Use of renewable primary energy excluding renewable primary energy used as raw material (PERE) MJ 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 1 Total use of renewable primary energy resources (PERT) MJ 9,80E+02 2,11E-01 4,82E+01 1,28E+04 2,13E+02 1 Non-renewable primary energy excluding non-renewable primary energy excluding non-renewable primary energy eresources used as raw materials (PENRE) MJ 1,69E+04 1,58E+02 7,90E+02 5,54E+02 6,52E+02 1 Use of non renewable primary energy resources used as raw materials (PENRE) MJ 3,87E+03 0,00E+00 1,40E+02 0,00E+00 0,00E+00 0,00E+00 1 Use of non-renewable primary energy resources used as raw materials (PENRE) MJ 3,87E+03 0,00E+00 1,40E+02 0,00E+00 0,00E+00 0,00E+00 1 Use of non-renewable primary energy resources used as raw materials (PENRE) MJ 3,87E+03 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0 Use of renewable primary energy resources used as raw materials (PENRE) MJ 0,00E+00 0,	,30E-02
Photochemical ozone formation - human health (POCP) kg NMVOC eq. 3,17E+00 9,31E-02 1,28E-01 6,82E-02 2,06E-01 3 Resource use - minerals & metals (ADPe) kg Sb eq. 8,96E-02 4,46E-07 4,48E-03 5,51E-04 1,54E-05 9 Resource use - fossils (ADPf) MJ 2,07E+04 1,58E+02 9,30E+02 5,54E+02 6,52E+02 2 Water use (WU) m3 eq. 1,10E+03 4,31E-02 5,28E+01 8,62E+02 2,36E+02 2 Use of renewable primary energy excluding renewable primary energy used as row material (PERE) MJ 9,80E+02 2,11E-01 4,82E+01 1,28E+04 2,13E+02 1 Use of renewable primary energy used as row material (PERM) MJ 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0,00E+00 1,28E+01 1,28E+04 2,13E+02 1 Non-renewable primary energy excluding no	3,10E-01
Resource use - minerals & metals (ADPe) kg Sb eq. 8,96E-02 4,46E-07 4,48E-03 5,51E-04 1,54E-05 9	,03E+00
Resource use - fossils (ADPf)	,66E+00
Water use (WU) m3 eq. 1,10E+03 4,31E-02 5,28E+01 8,62E+02 2,36E+02 2 Use of renewable primary energy used as row material (PERE) MJ 9,80E+02 2,11E-01 4,82E+01 1,28E+04 2,13E+02 1 Use of renewable primary energy used as row material (PERM) MJ 0,00E+00 0,00E+0	,46E-02
Use of renewable primary energy excluding renewable primary energy used as raw material (PERE) MJ 9,80E+02 2,11E-01 4,82E+01 1,28E+04 2,13E+02 1	,30E+04
Paragraphic	,25E+03
Use of renewable primary energy used as raw material (PERM) MJ 0,00E+00 0,	,40E+04
Non-renewable primary energy excluding non-renewable primary energy resources used as raw materials (PENRE) MJ 1,69E+04 1,58E+02 7,90E+02 5,54E+02 6,52E+02 1	,00E+00
Drimary energy resources used as raw materials (PENRE) MU 1,59E+04 1,58E+02 7,90E+02 5,54E+02 6,52E+02 1	,40E+04
Use of non renewable primary energy resources used as raw materials (PENRM) MJ 3,87E+03 0,00E+00 1,40E+02 0,00E+00 0,00E+00 4 Total use of non-renewable primary energy resources (PENRT) MJ 2,07E+04 1,58E+02 9,30E+02 5,54E+02 6,52E+02 2 Use of secondary material (SM) kg 0,00E+00 0,00E	,90E+04
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 Use of renewable secondary fuels (RSF) MJ 0,00E+00	,01E+03
Use of renewable secondary fuels (RSF) MJ 0,00E+00 <	,30E+04
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 Net use of fresh water (FW) m3 2,56E+01 1,00E-03 1,23E+00 2,01E+01 5,50E+00 5 Hazardous waste disposed (HWD) kg 8,01E+03 0,00E+00 4,25E+02 2,14E+00 3,58E+00 8	,00E+00
Net use of fresh water (FW) m3 2,56E+01 1,00E-03 1,23E+00 2,01E+01 5,50E+00 5 Hazardous waste disposed (HWD) kg 8,01E+03 0,00E+00 4,25E+02 2,14E+00 3,58E+00 8	,00E+00
Hazardous waste disposed (HWD) kg 8,01E+03 0,00E+00 4,25E+02 2,14E+00 3,58E+00 8	,00E+00
	,24E+01
	,44E+03
Non hazardous waste disposed (NHWD) kg 3,16E+01 3,98E-01 1,24E+00 1,71E+02 2,05E+02 4	,10E+02
Radioactive waste disposed kg 1,73E-02 2,83E-04 8,10E-04 9,97E-02 3,84E-02	,57E-01
Components for reuse (CRU) kg 0,00E+00 0,00E+00 0,00E+00 0,00E+00 0	,00E+00
Materials for recycling (MFR) kg 1,82E+00 0,00E+00 4,10E-02 0,00E+00 4,38E+01 4	,57E+01
Materials for energy recovery (MER) kg 2,80E+00 0,00E+00 1,72E-02 0,00E+00 5,28E+01 5	,56E+01
Exported Energy (EE) MJ 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.

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	Unit	Manufacturing (A1-A3)	Distribution (A4)	Installation* (A5)	Use (B6)	End-of-life (C1-C4)	TOTAL
Total Primary Energy (TPE)	MJ	2,17E+04	1,58E+02	9,78E+02	1,33E+04	8,65E+02	3,71E+04
EF-particulate matter (EF-PM)	Disease occurance	8,24E-05	5,84E-07	3,86E-06	9,13E-07	1,81E-06	8,96E-05
Ionising radiation, human health (IR)	kg U235 eq.	2,22E+04	2,76E-02	1,07E+03	9,81E+00	1,41E+01	2,33E+04
Ecotoxicity, freshwater (Eco-fw)	CTUe	7,41E+03	7,64E+00	3,60E+02	1,69E+02	1,02E+03	8,97E+03
Human toxicity, cancer (HT-c)	CTUh-c	1,22E-03	1,99E-10	6,12E-05	4,14E-09	1,13E-07	1,28E-03
Human toxicity, non-cancer (HT-nc)	CTUh-nc	1,55E-04	2,16E-08	7,72E-06	2,80E-07	4,28E-07	1,63E-04
Land use (LU)	No dimension	2,08E+02	0,00E+00	9,59E+00	4,43E+00	2,10E+02	4,32E+02

Environmental indicators are calculated according to JRC method - EF3.0.

V. EXTRAPOLATION RULES FOR THE PRODUCT FAMILY PFXP 500V



General information

The extrapolation rules have been calculated based on the environment impact assessment results of 6 products in the range PFXP 500V. The reference product is PFXP 500V 3G2,5 E4 200m. The weight of reference product is 200 kg/km.

The reference product has 2 active conductor(s) and a resistivity of 14,82 ohm/km/active conductor.

The extrapolation rules below apply to 1000m of product. In the following sections, the product weight is expressed in kg for 1000m of cable, where applicable.

Extrapolation rules for each life cycle stage

	Life cycle stage	Applicable extrapolation principle	Formula to calculate each environmental indicator	Example: If the product weight is 210 kg/km, each indicator value shall be calculated with:	Mean deviation of extrapolation rule
E	Manufacturing	Linear variation versus weight	Indicator = a x Cable weight + b	Indicator = $(210 \times a) + b$	6,19%
	Distribution	Linear variation versus weight	Indicator = a x Cable weight + b	Indicator = 210 x a + b.	3,28%
	Installation	Maximum impact value	The maximum impact values (MIV) indicated in the table below are applicable to the whole range for installation stage impacts	N/A	N/A
	Use	Variation versus resistivity ratio	Indicator = (Product Resistivity / Reference product Resistivity) x (Nb of active conductors / Nb of active conductors in the reference product) x Indicator value for Reference Product	Example: If the product resistivity is 1,2 ohm/km & has 1 active conductor, Indicator = $(1,2/14,82) \times (1/2) \times$ indicator of reference product.	0,00%
	End of life	Linear variation versus weight	Indicator = a x Cable weight + b	Indicator = (210 x a) + b	3,10%

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

	Manufacturing				Distr	ibution	Installation	End of life			
	а	b	а	b	a	b	MIV	а	b		
GWP	3,66E+00	-1,09E+02	-	-	5,96E-02	-7,78E-01	1,15E+02	5,99E-01	2,83E+01		
GWPf	3,44E+00	-1,03E+02	-	-	5,96E-02	-7,78E-01	1,11E+02	5,97E-01	2,82E+01		
GWPb	2,12E-01	-6,50E+00	-	-	0,00E+00	0,00E+00	3,87E+00	1,84E-03	5,78E-02		
GWPlu	5,83E-04	-4,93E-02	-	-	0,00E+00	0,00E+00	8,94E-03	5,96E-07	-1,09E-04		
ODP	9,74E-07	-1,85E-05	-	-	9,13E-11	-1,19E-09	1,82E-05	3,04E-08	2,69E-07		
AP	1,26E-01	-9,96E+00	-	-	3,77E-04	-4,92E-03	1,90E+00	8,16E-04	3,24E-02		
Epf	4,24E-05	1,70E-03	-	-	2,23E-08	-2,92E-07	1,13E-03	5,29E-06	2,56E-04		
Epm	4,82E-03	-2,62E-01	-	-	1,77E-04	-2,31E-03	8,73E-02	2,73E-04	8,66E-03		
Ept	5,41E-02	-2,99E+00	-	-	1,94E-03	-2,53E-02	7,57E-01	3,06E-03	9,80E-02		
POCP	2,36E-02	-1,35E+00	-	-	4,89E-04	-6,39E-03	3,69E-01	8,60E-04	2,77E-02		
ADPe	9,14E-04	-7,74E-02	-	-	2,34E-09	-3,06E-08	1,40E-02	7,14E-08	7,77E-07		
ADPf	9,79E+01	2,09E+02	-	-	8,31E-01	-1,08E+01	2,18E+03	2,49E+00	1,29E+02		
WU	7,74E+00	-3,87E+02	-	-	2,26E-04	-2,95E-03	1,34E+02	7,85E-01	6,56E+01		
PÈRE	6,26E+00	-2,25E+02	-	-	1,11E-03	-1,45E-02	1,09E+02	1,01E+00	8,63E+00		
PERM	4,33E+00	-6,73E+02	-	-	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00		
PERT	1,06E+01	-8,98E+02	-	-	1,11E-03	-1,45E-02	1,09E+02	1,01E+00	8,63E+00		
PENRE	8,73E+01	-8,30E+02	-	-	8,31E-01	-1,08E+01	1,91E+03	2,49E+00	1,29E+02		
PENRM	1,06E+01	1,04E+03	-	-	0,00E+00	0,00E+00	2,70E+02	0,00E+00	0,00E+00		
PENRT	9,79E+01	2,08E+02	-	-	8,31E-01	-1,08E+01	2,18E+03	2,49E+00	1,29E+02		
SM	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		
NRSF	0,00E+00	0,00E+00	-	-	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00		
FW	1,81E-01	-9,05E+00	-	-	5,26E-06	-6,88E-05	3,14E+00	1,83E-02	1,53E+00		
HWD	8,17E+01	-6,92E+03	-	-	0,00E+00	0,00E+00	1,25E+03	2,05E-02	-4,20E-01		
NHWD	3,81E-01	-3,81E+01	-	-	2,09E-03	-2,73E-02	5,90E+01	6,93E-01	5,48E+01		
RWD	1,92E-04	-1,75E-02	-	-	1,49E-06	-1,94E-05	3,34E-03	1,27E-04	1,07E-02		
CRU	0,00E+00	0,00E+00	-	-	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00		
MFR	4,61E-02	-6,29E+00	-	-	0,00E+00	0,00E+00	1,33E+00	1,46E-01	1,20E+01		
MER	6,06E-02	-8,24E+00	-	-	0,00E+00	0,00E+00	2,63E+01	1,91E-01	1,18E+01		
EE	0,00E+00	0,00E+00	-	-	0,00E+00	0,00E+00	2,33E+01	0,00E+00	0,00E+00		
TPE	1,08E+02	-6,90E+02	-	-	8,32E-01	-1,09E+01	2,29E+03	3,50E+00	1,38E+02		
EF-PM	7,65E-07	-5,93E-05	-	-	3,07E-09	-4,00E-08	1,16E-05	7,33E-09	2,77E-07		
IR	2,00E+02	-1,51E+04	-	-	1,45E-04	-1,89E-03	3,17E+03	4,80E-02	3,68E+00		
Eco-fw	6,07E+01	-4,01E+03	-	-	4,01E-02	-5,24E-01	1,20E+03	4,37E+00	1,11E+02		
HT-c	1,25E-05	-1,06E-03	-	-	1,05E-12	-1,37E-11	1,92E-04	1,26E-09	-1,16E-07		
HT-nc	1,54E-06	-1,28E-04	-	-	1,13E-10	-1,48E-09	2,40E-05	1,59E-09	8,98E-08		
LU	1,01E+00	-6,81E-01	-	-	0,00E+00	0,00E+00	1,79E+01	7,43E-01	4,98E+01		



VI. PRODUCTS COVERED BY THE PEP

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

The below table also provides the maximun linear resistance (ohm/km) of core at 20°C in D.C for 12 wires according to the standard IEC 60228 for each cable included in the cable in the family PFXP 500V.

Section (mm²)	Resistance (ohm/km)	N° of CONDUCTORS																		
Section (mm ⁻)	Resistance (onm/km)	1	2	3	4	5	6	7	8	9	10	12	14	19	21	24	27	30	37	40
0,5	36																			
0,75	24,5																			
1	18,1																			
1,5	12,1			•	•	•														
2,5	7,41			•	•	•														
4	4,61			•	•	•														
6	3,08																			
10	1,83																			
16	1,15																			
25	0,727																			
35	0,524																			
50	0,387																			
70	0,268																			
95	0,193																			
120	0,153																			
150	0,124																			
185	0,0991																			
240	0,0754																			
300	0,0601																			
400	0,047																			
500	0,0366																			
630	0,0283																			
800	0,0221																			
1000	0,0176																			
1200	0,0151																			
1400	0,0129																			
1600	0,0113																			
1800	0,0101																			
2000	0,009																			
2500	0,0072																			

For all products covered by this PEP, weight (kg/km) of each product & number of active conductors* in the cable are mentioned in the technical datasheet, which can be obtained from the Nexans website.

^{*}Number of active conductors = total number of conductors - neutral conductor (if applicable). If there is no neutral conductor in the cable, the number of active conductors = total number of conductors. The technical datasheet mentions if there is a neutral or not in a given cable.