# Product Environmental Profile

**Family technical name:** NEXANS H07RN-F TITANEX® MULTICORE ≤ 2x6mm²

**Family brand name:** NEXANS H07RN-F TITANEX® MULTICORE ≤ 2x6mm²

**Reference product name :** TITANEX 3G1,5 MBH GL5000 MAX



| 304 | 0,08004 | 3,3 | 8966 |
|---|---|---|---|
| kg $CO_2$ eq. | kg Sb eq. | $m^3$ | MJ |
| Climate change - total | Resource use - minerals & metals (ADPe) | Net use of fresh water | Total Primary Energy |

*The above environmental impacts are "cradle to gate" or "Manufacturing phase" values (A1-A3) for 1km of cable*

| | | | |
|---|---|---|---|
| PEP ecopassport N°: | NXNS-00778-V01.01-EN | Product Category Rules: | PEP-PCR-ed4-EN-2021 09 06 |
| | | Product Specific Rules: | PSR-0001-ed4-EN-2022 11 16 |
| Verifier accreditation N°: | VH50 | Program information & documents: | **www.pep-ecopassport.org** |
| Date of publication: | 06/2026 | 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 (Ddemain).

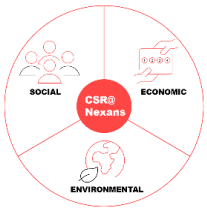
PEP are compliant with XP C08-100-1 :2016 or EN 50693
The elements of the present PEP cannot be compared with elements from another program.

Compliant with ISO 14025: 2006 "Environmental labels and declarations - Type III environmental declarations".

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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

### TITANEX 3G1,5 MBH GL5000 MAX

TITANEX® H07RN-F cables with EPR rubber insulation and rubber sheathing offer outstanding mechanical properties to meet your most varied requirements. No matter what the installation conditions are, whether indoors or outdoors, in cramped and hazardous environments or in the presence of oils and chemicals, TITANEX combines strengh and flexibility to meet all your requirements.

## Products covered:

The aforementioned products belong to the category power transmission wires and cables of the Product Specific Rules (PSR) for Wires, Cables and Accessories (PSR-0001) of the PEP ecopassport® program.

The PEP concern all the products in the range NEXANS H07RN-F TITANEX® MULTICORE ≤ 2x6mm² and the reference product of the PEP is TITANEX 3G1,5 MBH GL5000 MAX.

## Functional unit:

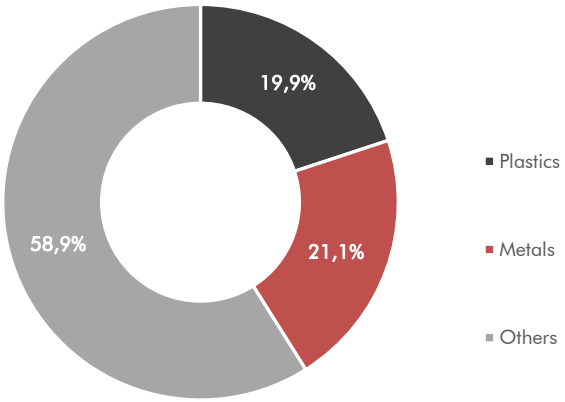
To transmit energy expressed for 1A over a distance of 1km during 30 years and a 70% use rate, in accordance with the relevant standards, detailed in the data sheet available on our website www.nexans.com.
Lifetime and use rate correspond to the Building - Residential / Tertiary / Industrial application as defined in the table given in Appendix 1 of the specific rules for wires, cables and accessories."

This PEP has been drawn up considering the following parameters:

- 1 km for manufacturing, distribution, end-of-life and module D stages
- 1 km and 1 A for the use stage

The potential impact of the use stage shall be calculated by the PEP user considering the real amperage through the product during the use phase by multiplying the impact by the square of the intensity. This PEP is valid in the intensity range taking into account the maximum allowable intensity.

## Constituent materials




The total mass of the reference product and packaging is 171,83 kg/km. Constituent materials are distributed as given in the graph.

The conductor contains 11,93% of recycled metals.

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 NEXANS H07RN-F TITANEX® MULTICORE ≤ 2x6mm² are manufactured in France.
- The electricity mix model for the manufacturing stage is from France ≤1 kV.
- The reference year for the collected LCI is 2025
- All Nexans sites in France 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 Wooden drum. 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 and 5 % product loss are 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
- Current intensity (A): 1
- Number of active conductor(s): 2
- Use rate = 70%
- Cable resistance* (ohm/km): 26,6

**Maximum value at 20°C according to IEC 60228*

**Considering the aforementioned hypotheses, the energy consumption over the RLT at use stage is 4893,34 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 France ≤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 France ≤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 according to default scerios given in the PCR.

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.

### Module D

Module D is calculated using the end-of-life recycling (0:100) method. Under this approach, recycled content at the input stage has no impact, while materials destined for recycling at the end of life generate the impact.

The calculation of loads is based on the weight of recycled material contained in the product, considering for this material the environmental impact of an equivalent virgin material.
The benefits are calculated based on the quantity of material recycled over the product's life cycle, by applying the environmental impact of an equivalent virgin material corresponding to avoided production.

## III. ENVIRONMENTAL IMPACTS

The reference product TITANEX 3G1,5 MBH GL5000 MAX 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 cable production in France with a worldwide scenario for distribution. The electricity model for use is France ≤1 kV and the model for end-of-life is France ≤1 kV.

### Impact results for 1000 m of TITANEX 3G1,5 MBH GL5000 MAX

**Mandatory indicators:**

| Environmental indicator/flows | Unit | A1-Raw materials | A2-Transport to manufacturer | A3-Manufacturing process | *Total manufacturing A1-A3* | A4-Distribution to customer | A5-Installation* | B6-Use** (for 1 A) | C1-C4-End of life | TOTAL (for 1 A) | Module D |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Climate change - total (GWP) | kg $CO_2$ eq. | 2,69E+02 | 2,99E+01 | 5,49E+00 | *3,04E+02* | 5,13E+01 | 7,85E+01 | 1,98E+03 | 4,72E+01 | 2,46E+03 | -1,17E+02 |
| Climate change - fossil (GWPf) | kg $CO_2$ eq. | 2,66E+02 | 2,99E+01 | 5,30E+01 | *3,49E+02* | 5,13E+01 | 3,03E+01 | 1,93E+03 | 4,69E+01 | 2,41E+03 | -1,10E+02 |
| Climate change - biogenic (GWPb) | kg $CO_2$ eq. | 1,19E+00 | 8,34E-05 | -4,75E+01 | *-4,63E+01* | 3,34E-05 | 4,81E+01 | 4,37E+01 | 2,86E-01 | 4,58E+01 | -7,02E+00 |
| Climate change - land use & land use change (GWPlu) | kg $CO_2$ eq. | 1,87E+00 | 3,08E-05 | 5,19E-06 | *1,87E+00* | 1,23E-05 | 9,08E-02 | 0,00E+00 | 1,08E-05 | 1,96E+00 | 0,00E+00 |
| Ozone layer depletion (ODP) | kg CFC-11 eq. | 4,10E-05 | 2,59E-07 | 2,46E-06 | *4,37E-05* | 1,53E-07 | 2,49E-06 | 8,47E-06 | 9,09E-07 | 5,57E-05 | -2,34E-05 |
| Acidification potential of soil and water (AP) | mol H+ eq. | 2,38E+00 | 4,17E-01 | 4,53E-01 | *3,25E+00* | 1,76E+00 | 2,92E-01 | 1,04E+01 | 8,90E-02 | 1,57E+01 | -5,38E+00 |
| Eutrophication - freshwater (Epf) | kg PO43- eq. | 1,90E-03 | 7,94E-05 | 4,19E-04 | *2,40E-03* | 4,50E-05 | 1,45E-04 | 4,74E-03 | 2,02E-04 | 7,53E-03 | -1,65E-03 |
| Eutrophication - marine (Epm) | kg N eq. | 3,31E-01 | 9,37E-02 | 1,01E-01 | *5,26E-01* | 4,01E-01 | 5,61E-02 | 1,21E+00 | 1,83E-02 | 2,21E+00 | -1,09E-01 |
| Eutrophication - terrestrial (Ept) | mol N eq. | 3,60E+00 | 1,03E+00 | 1,15E+00 | *5,77E+00* | 4,39E+00 | 6,35E-01 | 1,94E+01 | 2,33E-01 | 3,05E+01 | -1,20E+00 |
| Photochemical ozone formation - human health (POCP) | kg NMVOC eq. | 8,40E-01 | 2,69E-01 | 3,48E-01 | *1,46E+00* | 1,13E+00 | 1,58E-01 | 3,84E+00 | 5,95E-02 | 6,65E+00 | -6,90E-01 |
| Resource use - minerals & metals (ADPe) | kg Sb eq. | 8,00E-02 | 7,60E-06 | 1,29E-05 | *8,00E-02* | 4,42E-06 | 3,90E-03 | 6,41E-04 | 1,36E-05 | 8,46E-02 | -5,16E-02 |
| Resource use - fossils (ADPf) | MJ | 5,64E+03 | 4,80E+02 | 2,01E+03 | *8,13E+03* | 6,78E+02 | 6,18E+02 | 4,74E+04 | 7,67E+02 | 5,76E+04 | -2,19E+03 |
| Water use (WU) | m3 eq. | 1,29E+02 | 7,64E-01 | 7,76E+00 | *1,38E+02* | 4,31E-01 | 7,35E+00 | 1,50E+02 | 2,95E+00 | 2,98E+02 | -2,78E+02 |
| Use of renewable primary energy excluding renewable primary energy used as raw material (PERE) | MJ | 3,18E+01 | 1,29E+00 | 1,44E+02 | *1,77E+02* | 1,13E+00 | 2,38E+01 | 1,11E+04 | 7,79E+01 | 1,14E+04 | -1,44E+02 |
| Use of renewable primary energy used as raw material (PERM) | MJ | 0,00E+00 | 0,00E+00 | 6,33E+02 | *6,33E+02* | 0,00E+00 | 3,16E+01 | 0,00E+00 | 0,00E+00 | 6,64E+02 | 0,00E+00 |
| Total use of renewable primary energy resources (PERT) | MJ | 3,18E+01 | 1,29E+00 | 7,77E+02 | *8,10E+02* | 1,13E+00 | 5,54E+01 | 1,11E+04 | 7,79E+01 | 1,21E+04 | -1,44E+02 |
| Non-renewable primary energy excluding non-renewable primary energy resources used as raw materials (PENRE) | MJ | 4,03E+03 | 4,80E+02 | 1,93E+03 | *6,44E+03* | 6,78E+02 | 5,40E+02 | 4,74E+04 | 7,67E+02 | 5,59E+04 | -2,19E+03 |
| Use of non renewable primary energy resources used as raw materials (PENRM) | MJ | 1,64E+03 | 0,00E+00 | 8,30E+01 | *1,72E+03* | 0,00E+00 | 7,98E+01 | 0,00E+00 | 0,00E+00 | 1,80E+03 | 0,00E+00 |
| Total use of non-renewable primary energy resources (PENRT) | MJ | 5,67E+03 | 4,80E+02 | 2,01E+03 | *8,16E+03* | 6,78E+02 | 6,20E+02 | 4,74E+04 | 7,67E+02 | 5,77E+04 | -2,19E+03 |
| Use of secondary material (SM) | kg | 4,52E+00 | 0,00E+00 | 0,00E+00 | *4,52E+00* | 0,00E+00 | 2,20E-01 | 0,00E+00 | 0,00E+00 | 4,74E+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 | 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 | 0,00E+00 |
| Net use of fresh water (FW) | m3 | 3,13E+00 | 1,78E-02 | 1,84E-01 | *3,34E+00* | 1,00E-02 | 1,73E-01 | 3,50E+00 | 4,80E-02 | 7,07E+00 | -6,47E+00 |
| Hazardous waste disposed (HWD) | kg | 4,05E+00 | 8,53E-02 | 1,38E+00 | *5,52E+00* | 3,41E-02 | 6,79E+00 | 5,46E+01 | 5,88E+00 | 7,28E+01 | -3,99E+03 |
| Non hazardous waste disposed (NHWD) | kg | 2,23E+01 | 2,17E+00 | 4,83E+00 | *2,93E+01* | 2,03E+00 | 3,18E+00 | 2,98E+02 | 2,68E+00 | 3,35E+02 | -7,08E+00 |
| Radioactive waste disposed | kg | 5,61E-02 | 1,69E-03 | 2,86E-03 | *6,06E-02* | 1,48E-03 | 3,60E-03 | 7,03E-02 | 1,20E-03 | 1,37E-01 | -5,80E-03 |
| 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 | 0,00E+00 |
| Materials for recycling (MFR) | kg | 3,20E-01 | 0,00E+00 | 2,81E-01 | *6,02E-01* | 0,00E+00 | 9,64E-01 | 0,00E+00 | 1,02E+01 | 1,18E+01 | 0,00E+00 |
| Materials for energy recovery (MER) | kg | 5,18E-02 | 0,00E+00 | 1,35E-03 | *5,31E-02* | 0,00E+00 | 5,05E-03 | 0,00E+00 | 4,92E-02 | 1,07E-01 | 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 | 0,00E+00 |

* The installation stage includes only packaging disposal and 5 % product loss. Impacts related to installation processes are left for the PEP user to estimate.

**Energy losses in use phase is calculted for 1A current intensity. The PEP user must multiply the impacts by the square of real current intensity

| 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 | 1,32E+01 |

Biogenic carbon storage is calculated according to the -1/+1 assessment methodology & according to EN 16485.

## Optional indicators:

| Environmental indicator/flow | Unit | A1-Raw materials | A2-Transport to manufacturer | A3-Manufacturing process | *Total A1-A3* | A4-Distribution to customer | A5-Installation* | B6-Use** (for 1 A) | C1-C4-End of life | TOTAL (for 1 A) | Module D |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Primary Energy (TPE) | MJ | 5,70E+03 | 4,81E+02 | 2,79E+03 | *8,97E+03* | 6,79E+02 | 6,75E+02 | 5,85E+04 | 8,45E+02 | 6,97E+04 | -2,33E+03 |
| EF-particulate matter (EF-PM) | Disease occurance | 2,47E-05 | 2,27E-06 | 3,58E-06 | *3,06E-05* | 9,14E-06 | 2,28E-06 | 8,11E-05 | 9,96E-07 | 1,24E-04 | -3,26E-05 |
| Ionising radiation, human health (IR) | kg U235 eq. | 2,21E+01 | 7,40E-01 | 1,57E+02 | *1,80E+02* | 3,74E-01 | 1,42E+01 | 2,59E+03 | 5,56E+01 | 2,84E+03 | -9,83E+01 |
| Ecotoxicity, freshwater (Eco-fw) | CTUe | 1,97E+03 | 6,00E+02 | 2,13E+02 | *2,79E+03* | 2,63E+02 | 3,70E+02 | 2,97E+03 | 5,48E+02 | 6,93E+03 | -8,01E+04 |
| Human toxicity, cancer (HT-c) | CTUh-c | 2,61E-07 | 4,13E-09 | 3,28E-08 | *2,98E-07* | 2,21E-09 | 1,93E-08 | 2,45E-07 | 8,07E-08 | 6,45E-07 | -3,64E-06 |
| Human toxicity, non-cancer (HT-nc) | CTUh-nc | 7,90E-06 | 7,93E-08 | 1,04E-06 | *9,01E-06* | 4,47E-08 | 5,04E-07 | 5,79E-06 | 1,43E-07 | 1,55E-05 | -7,60E-05 |
| Land use (LU) | No dimension | 3,78E+02 | 8,72E-02 | 2,39E+00 | *3,80E+02* | 3,49E-02 | 1,86E+01 | 5,24E+01 | 3,97E-01 | 4,51E+02 | -4,33E+00 |

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

## IV. EXTRAPOLATION RULES FOR THE PRODUCT FAMILY NEXANS H07RN-F TITANEX® MULTICORE ≤ 2x6mm²

### General information

The extrapolation rules have been calculated based on the environment impact assessment results of 3 products in the range NEXANS H07RN-F TITANEX® MULTICORE ≤ 2x6mm². The reference product is TITANEX 3G1,5 MBH GL5000 MAX. The weight of reference product is 138 kg/km.

The reference product has 2 active conductor(s) and a resistivity of 26,6 ohm/km.

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 148 kg/km, each indicator value shall be calculated with: | Mean deviation of extrapolation rule |
|---|---|---|---|---|---|
| | A1-A3-Manufacturing | Linear variation versus weight | Indicator = a x Cable weight + b | Indicator = (148 x a) + b | 3,48% |
| | A4-Distribution to customer | Linear variation versus weight | Indicator = a x Cable weight + b | Indicator = 148 x a + b. | 0,42% |
| | A5-Installation | Linear variation versus weight | Indicator = a x Cable weight + b | Indicator = 148 x a + b. | 3,54% |
| | B6-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 = (1,2/26,6) x (1/2) x indicator of reference product. | 0,00% |
| | C1-C4-End of life | Linear variation versus weight | Indicator = a x Cable weight + b | Indicator = (148 x a) + b | 3,78% |
| | Module D | Linear variation versus weight | Indicator = a x Cable weight + b | Indicator = (148 x a) + b | 2,98% |

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

| | A1-A3-Manufacturing | | A4-Distribution to customer | | A5-Installation | | C1-C4 End of life | | Module D | |
|---|---|---|---|---|---|---|---|---|---|---|
| | a | b | a | b | a | b | a | b | a | b |
| GWP | 2,36E+00 | -1,33E+01 | 3,35E-01 | 3,52E+00 | 4,31E-01 | -3,14E+01 | 2,20E-01 | 4,93E+01 | -2,08E+00 | 8,62E+02 |
| GWPf | 2,86E+00 | -3,96E+01 | 3,35E-01 | 3,52E+00 | 2,55E-01 | -4,61E+01 | 2,18E-01 | 4,92E+01 | -1,91E+00 | 7,89E+02 |
| GWPb | -5,25E-01 | 2,75E+01 | 2,18E-07 | 2,29E-06 | 1,74E-01 | 1,54E+01 | 1,47E-03 | 1,36E-01 | -1,69E-01 | 7,29E+01 |
| GWPlu | 2,20E-02 | -1,21E+00 | 8,05E-08 | 8,47E-07 | 2,15E-03 | -7,72E-01 | 7,38E-08 | 1,78E-06 | 0,00E+00 | 0,00E+00 |
| ODP | 2,47E-07 | 1,86E-05 | 9,98E-10 | 1,05E-08 | 5,06E-09 | 6,65E-06 | 6,20E-09 | -2,04E-07 | -5,57E-07 | 2,40E-04 |
| AP | 3,41E-02 | -1,50E+00 | 1,15E-02 | 1,20E-01 | 3,47E-03 | -8,85E-01 | 5,11E-04 | -5,03E-03 | -1,39E-01 | 6,19E+01 |
| Epf | 2,03E-05 | -3,47E-04 | 2,94E-07 | 3,09E-06 | 1,38E-06 | -2,56E-04 | 1,25E-06 | 3,89E-05 | -7,99E-06 | 1,71E-03 |
| Epm | 5,43E-03 | -2,27E-01 | 2,61E-03 | 2,75E-02 | 5,73E-04 | -1,25E-01 | 9,77E-05 | 3,52E-03 | -2,17E-03 | 9,28E-01 |
| Ept | 5,93E-02 | -2,47E+00 | 2,86E-02 | 3,01E-01 | 6,34E-03 | -1,36E+00 | 1,25E-03 | 3,41E-02 | -2,52E-02 | 1,08E+01 |
| POCP | 1,33E-02 | -3,52E-01 | 7,39E-03 | 7,77E-02 | 1,32E-03 | -2,09E-01 | 3,33E-04 | 9,27E-03 | -1,59E-02 | 6,93E+00 |
| ADPe | 9,45E-04 | -5,21E-02 | 2,88E-08 | 3,03E-07 | 9,25E-05 | -3,32E-02 | 1,96E-07 | -5,85E-05 | -1,36E-03 | 6,04E-01 |
| ADPf | 5,64E+01 | 7,00E+02 | 4,43E+00 | 4,65E+01 | 4,28E+00 | -6,42E+02 | 6,86E+00 | -1,02E+03 | -3,46E+01 | 1,36E+04 |
| WU | 1,29E+00 | -4,01E+01 | 2,81E-03 | 2,96E-02 | 9,81E-02 | -2,47E+01 | 1,35E-02 | 2,49E+00 | -6,85E+00 | 3,00E+03 |
| PÈRE | 9,82E-01 | 5,09E+01 | 7,39E-03 | 7,77E-02 | 1,29E-01 | -2,51E+01 | 5,67E-01 | -5,11E+01 | -3,60E+00 | 1,57E+03 |
| PERM | 7,06E+00 | -3,59E+02 | 0,00E+00 | 0,00E+00 | 1,14E-01 | 1,02E+01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| PERT | 8,04E+00 | -3,08E+02 | 7,39E-03 | 7,77E-02 | 2,43E-01 | -1,50E+01 | 5,67E-01 | -5,11E+01 | -3,60E+00 | 1,57E+03 |
| PENRE | 4,67E+01 | 2,71E+02 | 4,43E+00 | 4,65E+01 | 4,14E+00 | -8,16E+02 | 6,86E+00 | -1,02E+03 | -3,46E+01 | 1,36E+04 |
| PENRM | 1,00E+01 | 4,11E+02 | 0,00E+00 | 0,00E+00 | 1,71E-01 | 1,63E+02 | 0,00E+00 | 0,00E+00 | 0,00E+00 | 0,00E+00 |
| PENRT | 5,67E+01 | 6,82E+02 | 4,43E+00 | 4,65E+01 | 4,31E+00 | -6,53E+02 | 6,86E+00 | -1,02E+03 | -3,46E+01 | 1,36E+04 |
| SM | 5,34E-02 | -2,95E+00 | 0,00E+00 | 0,00E+00 | 5,23E-03 | -1,88E+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 |
| 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 |
| FW | 3,14E-02 | -1,01E+00 | 6,54E-05 | 6,88E-04 | 2,41E-03 | -6,27E-01 | 2,68E-04 | 6,91E-03 | -1,59E-01 | 6,98E+01 |
| HWD | 4,60E-02 | -8,71E-01 | 2,23E-04 | 2,34E-03 | 2,73E-02 | 1,09E+00 | 4,24E-02 | -5,95E+00 | -1,05E+02 | 4,67E+04 |
| NHWD | 1,89E-01 | 7,43E+00 | 1,33E-02 | 1,39E-01 | 1,50E-02 | 1,60E+00 | 1,80E-02 | -1,10E+00 | -1,48E-01 | 6,23E+01 |
| RWD | 6,05E-04 | -2,18E-02 | 9,65E-06 | 1,02E-04 | 5,41E-05 | -1,55E-02 | 7,84E-06 | -1,16E-04 | -1,53E-04 | 6,79E-02 |
| 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 |
| MFR | 6,83E-03 | -3,14E-01 | 0,00E+00 | 0,00E+00 | 2,94E-03 | 1,14E+00 | 3,29E-02 | 8,82E+00 | 0,00E+00 | 0,00E+00 |
| MER | 6,37E-04 | -3,58E-02 | 0,00E+00 | 0,00E+00 | 1,26E-04 | -5,06E-02 | 1,23E-03 | -4,91E-01 | 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 |
| TPE | 6,48E+01 | 3,74E+02 | 4,43E+00 | 4,66E+01 | 4,55E+00 | -6,68E+02 | 7,43E+00 | -1,07E+03 | -3,82E+01 | 1,52E+04 |
| EF-PM | 3,27E-07 | -1,50E-05 | 5,96E-08 | 6,26E-07 | 3,28E-08 | -9,70E-06 | 7,32E-09 | -6,44E-07 | -8,37E-07 | 3,71E-04 |
| IR | 9,60E-01 | 5,78E+01 | 2,44E-03 | 2,57E-02 | 9,88E-02 | -3,39E+01 | 4,56E-01 | -4,17E+01 | -2,44E+00 | 1,07E+03 |
| Eco-fw | 2,39E+01 | -4,34E+02 | 1,72E+00 | 1,81E+01 | 2,28E+00 | -1,22E+02 | 2,61E+00 | 5,16E+02 | -3,54E+02 | 1,20E+05 |
| HT-c | 3,38E-09 | -1,73E-07 | 1,44E-11 | 1,52E-10 | 3,96E-10 | -1,43E-07 | 1,88E-09 | -7,36E-07 | -2,41E-08 | 8,16E-07 |
| HT-nc | 8,45E-08 | -2,59E-06 | 2,91E-10 | 3,07E-09 | 7,87E-09 | -2,38E-06 | 7,14E-10 | 7,91E-08 | -1,90E-06 | 8,41E-04 |
| LU | 4,44E+00 | -2,41E+02 | 2,28E-04 | 2,40E-03 | 4,30E-01 | -1,53E+02 | 2,16E-03 | 7,79E-02 | -6,20E-03 | -1,43E+01 |

## V. 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 74 wires according to the standard IEC 60228 for each cable included in the cable in the family NEXANS H07RN-F TITANEX® MULTICORE ≤ 2x6mm².

| Section ($mm^2$) | Resistance (ohm/km) | N° of CONDUCTORS | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 12 | 14 | 19 | 21 | 24 | 27 | 30 | 37 | 40 |
| 0,5 | 39 | | | | | | | | | | | | | | | | | | | |
| 0,75 | 26 | | | | | | | | | | | | | | | | | | | |
| 1 | 19,5 | | ● | ● | ● | ● | | | | | | | | | | | | | | |
| 1,5 | 13,3 | | ● | ● | ● | ● | ● | | | | | | | | | | | | | |
| 2,5 | 7,98 | | ● | ● | ● | | | | | | | | | | | | | | | |
| 4 | 4,95 | | ● | ● | | | | | | | | | | | | | | | | |
| 6 | 3,3 | | ● | | | | | | | | | | | | | | | | | |
| 10 | 1,91 | | | | | | | | | | | | | | | | | | | |
| 16 | 1,21 | | | | | | | | | | | | | | | | | | | |
| 25 | 0,78 | | | | | | | | | | | | | | | | | | | |
| 35 | 0,554 | | | | | | | | | | | | | | | | | | | |
| 50 | 0,386 | | | | | | | | | | | | | | | | | | | |
| 70 | 0,272 | | | | | | | | | | | | | | | | | | | |
| 95 | 0,206 | | | | | | | | | | | | | | | | | | | |
| 120 | 0,161 | | | | | | | | | | | | | | | | | | | |
| 150 | 0,129 | | | | | | | | | | | | | | | | | | | |
| 185 | 0,106 | | | | | | | | | | | | | | | | | | | |
| 240 | 0,0801 | | | | | | | | | | | | | | | | | | | |
| 300 | 0,0641 | | | | | | | | | | | | | | | | | | | |
| 400 | 0,0486 | | | | | | | | | | | | | | | | | | | |
| 500 | 0,0384 | | | | | | | | | | | | | | | | | | | |
| 630 | 0,0287 | | | | | | | | | | | | | | | | | | | |
| 800 | - | | | | | | | | | | | | | | | | | | | |
| 1000 | - | | | | | | | | | | | | | | | | | | | |
| 1200 | - | | | | | | | | | | | | | | | | | | | |
| 1400 | - | | | | | | | | | | | | | | | | | | | |
| 1600 | - | | | | | | | | | | | | | | | | | | | |
| 1800 | - | | | | | | | | | | | | | | | | | | | |
| 2000 | - | | | | | | | | | | | | | | | | | | | |
| 2500 | - | | | | | | | | | | | | | | | | | | | |

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.