

# **Product Environmental Profile**

Family technical name: **EXQ EASY 300/500V** 

Reference product name: EXQ EASY™ 300/500V 3G1,5





Contribution to Global Warming

5,8E+02kg CO<sub>2</sub> eq.



Contribution to Depletion of abiotic resources - elements

4,4E-02

kg Sb eq.



Net volume of Freshwater consumed

3,0E+04



**Total Primary Energy** consumed

5,5E+04

| Verifier accreditation N°: VH- | NXNS-00104.V01.01-EN      | Product Category Rules:          | PEP-PCR-ed3-EN-2015 04 02  |  |  |  |  |
|--------------------------------|---------------------------|----------------------------------|----------------------------|--|--|--|--|
| 121 ccopassport 11.            | 17/1/10 00 104.101.01 211 | Product Specific Rules:          | PSR-0001-ed3-EN-2015 10 16 |  |  |  |  |
| Verifier accreditation N°:     | VH-18                     | Program information & documents: | www.pep-ecopassport.org    |  |  |  |  |
| Date of publication:           | 06-2021                   | Validity period:                 | 5 years                    |  |  |  |  |

Independent verification of the declaration and data, in accordance with ISO 14025: 2010

Internal External 🗷

The PCR critical review was conducted by a panel of experts chaired by Philippe Osset (Solinnen).

PEP are compliant with XP C08-100-1:2016

The elements of the present PEP cannot be compared with elements from another program.

Compliant with ISO 14025: 2010 "Environmental labels and declarations - Type III environmental declarations".



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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

### EXQ EASY™ 300/500V 3G1,5

The cable is a halogen free, XLPE-insulated and HFFR-sheathed house wiring cable with circular, solid copper conductors. The cable is designed according to SS 424 02 19-5. The conductors have resistance and number of wires according to EN 60228 class 1. The cable meets meets the requirements for fire classification according to CPR Dcas2d2a2 and have protection against exposure of UV-light according to HD 626 S1 part 2.5.1. The conductor insulation shall be protected against UV light that can occur for example in light fixtures and light signs. The cable is certified by Intertek SEMKO.

#### 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 EXQ EASY 300/500V and the reference product of the PEP is EXQ EASY™ 300/500V 3G1,5.

# **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.

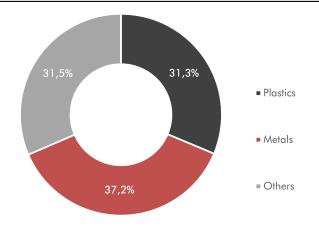
Lifetime and use rate correspond to the Building - Residential / Tertiary / Industrial application as defined in the table given in Appendix 1 of the specific rules for wires, cables and accessories.

This PEP has been drawn up considering the following parameters:

- 1km for manufacturing, distribution and end-of-life stages
- 1km and 1A 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 103,66kg/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 EXQ EASY 300/500V are manufactured in Sweden.
- The electricity mix model for the manufacturing stage is Sweden, >1 kV.
- All Nexans sites in Sweden 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 drum. 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 packaging disposal is considered at 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): 3

- Use rate = 70 %
- Cable resistance\* (ohm/km): 1.21E + 01

(\*According to standard IEC 60228)

Considering the aforementioned hypotheses, the energy consumption over the RLT at use stage is 6677,75 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 Sweden,  $\leq 1$  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 Sweden, >1 kV.

The cables are recycled through a grinding process for the separation of polymers and metal parts. It was considered that 100% of metals are recycled and 100% of other materials are landfilled.

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 EXQ EASY™ 300/500V 3G1,5 belongs to the Product Category Rules (PEP-PCR-ed3-EN-2015 04 02) and Product Specific Rules (PSR-0001-ed3-EN-2015 10 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 5.9.1, with the Nexans-2021-02 database.

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

Impact results for 1000 m of EXQ EASY™ 300/500V 3G1,5

#### Mandatory indicators:

| F. :  | 11.5                                 |               | Distribution of |               | 11        | E 1 (1)(    | TOTAL     |
|---|--------------------------------------|---------------|-----------------|---------------|-----------|-------------|-----------|
| Environmental indicator/flows                             | Unit                                 | Manufacturing | Distribution    | Installation* | Use       | End-of-life | TOTAL     |
|   |                                      |               |                 |               | (for 1 A) |             | (for 1 A) |
| Contribution to Global Warming                            | kg CO <sub>2</sub> eq.               | 1,79E+02      | 5,16E+00        | 1,28E+00      | 3,75E+02  | 1,51E+01    | 5,76E+02  |
| Contribution to Ozone Depletion                           | kg CFC-11 eq.                        | 3,60E-05      | 1,05E-08        | 3,27E-08      | 3,91E-07  | 2,22E-06    | 3,86E-05  |
| Contribution to Acidification of soil and water           | kg SO <sub>2</sub> eq.               | 6,63E-01      | 2,32E-02        | 4,87E-03      | 1,07E+00  | 9,01E-02    | 1,85E+00  |
| Contribution to Water Eutrophication                      | kg PO <sub>4</sub> <sup>3-</sup> eq. | 1,27E-01      | 5,33E-03        | 5,55E-03      | 1,31E-01  | 2,63E-02    | 2,96E-01  |
| Contribution to Photochemical Ozone Creation              | kg C₂H₄ eq.                          | 6,53E-02      | 1,65E-03        | 3,80E-04      | 1,05E-01  | 5,01E-03    | 1,77E-01  |
| Contribution to Depletion of abiotic resources - elements | kg Sb eq.                            | 4,33E-02      | 2,06E-07        | 8,24E-08      | 7,27E-04  | 7,44E-07    | 4,41E-02  |
| Total Primary Energy consumed                             | MJ                                   | 4,43E+03      | 7,30E+01        | 1,39E+01      | 5,05E+04  | 2,57E+02    | 5,53E+04  |
| Net volume of Freshwater consumed                         | m <sup>3</sup>                       | 1,83E+02      | 4,62E-04        | 1,13E-03      | 2,98E+04  | 2,67E-02    | 2,99E+04  |

#### Optional indicators:

| Environmental indicator/flow complete name  | Unit           | Manufacturing | Distribution | Installation* | Use       | End-of-life | TOTAL     |
|---|----------------|---------------|--------------|---------------|-----------|-------------|-----------|
|   |                |               |              |               | (for 1 A) |             | (for 1 A) |
| Contribution to Depletion of abiotic resources - fossil fuels   | WJ             | 3,46E+03      | 7,25E+01     | 1,25E+01      | 3,07E+03  | 1,66E+02    | 6,78E+03  |
| Contribution to Water Pollution   | m <sup>3</sup> | 2,37E+04      | 8,49E+02     | 1,44E+02      | 1,76E+04  | 1,30E+03    | 4,36E+04  |
| Contribution to Air Pollution   | m <sup>3</sup> | 1,83E+05      | 2,12E+02     | 1,52E+02      | 3,06E+04  | 1,01E+03    | 2,15E+05  |
| Use of renewable primary energy, excluding renewable primary energy resources used as raw materials         | MJ             | 2,70E+02      | 9,72E-02     | 3,51E-01      | 1,96E+04  | 1,37E+01    | 1,99E+04  |
| Use of renewable primary energy resources as raw materials  | MJ             | 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   | WJ             | 2,70E+02      | 9,72E-02     | 3,51E-01      | 1,96E+04  | 1,37E+01    | 1,99E+04  |
| Use of non-renewable primary energy, excluding non-renewable primary energy resources used as raw materials | WJ             | 2,68E+03      | 7,29E+01     | 1,36E+01      | 3,10E+04  | 2,43E+02    | 3,40E+04  |
| Use of non-renewable primary energy resources as raw materials  | MJ             | 1,48E+03      | 0,00E+00     | 0,00E+00      | 0,00E+00  | 0,00E+00    | 1,48E+03  |
| Total use of non-renewable primary energy resources   | WJ             | 4,16E+03      | 7,29E+01     | 1,36E+01      | 3,10E+04  | 2,43E+02    | 3,55E+04  |
| Use of renewable secondary fuels  | WJ             | 0,00E+00      | 0,00E+00     | 0,00E+00      | 0,00E+00  | 0,00E+00    | 0,00E+00  |
| Use of non-renewable secondary fuels  | WJ             | 0,00E+00      | 0,00E+00     | 0,00E+00      | 0,00E+00  | 0,00E+00    | 0,00E+00  |
| Use of secondary materials  | kg             | 5,74E+00      | 0,00E+00     | 0,00E+00      | 0,00E+00  | 0,00E+00    | 5,74E+00  |
| Hazardous waste disposed  | kg             | 4,00E+03      | 0,00E+00     | 5,67E-03      | 2,40E+00  | 1,90E-02    | 4,00E+03  |
| Non-hazardous waste disposed  | kg             | 4,94E+01      | 1,83E-01     | 1,19E+01      | 1,08E+03  | 9,40E+01    | 1,23E+03  |
| Radioactive waste disposed  | kg             | 8,75E-02      | 1,31E-04     | 4,08E-04      | 1,15E+01  | 2,79E-02    | 1,16E+01  |
| Components for reuse  | kg             | 0,00E+00      | 0,00E+00     | 0,00E+00      | 0,00E+00  | 0,00E+00    | 0,00E+00  |
| Exported energy   | WJ             | 0,00E+00      | 0,00E+00     | 0,00E+00      | 0,00E+00  | 0,00E+00    | 0,00E+00  |
| Materials for energy recovery   | kg             | 0,00E+00      | 0,00E+00     | 0,00E+00      | 0,00E+00  | 0,00E+00    | 0,00E+00  |
| Materials for recycling   | kg             | 2,41E+00      | 0,00E+00     | 0,00E+00      | 0,00E+00  | 3,86E+01    | 4,10E+01  |

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







# General information

The extrapolation rules have been calculated based on the environment impact assessment results of 3 products in the range EXQ EASY 300/500V. The reference product is EXQ EASY™ 300/500V 3G1,5. The weight of reference product is 93kg/km.

The reference product has 3 active conductor(s) and a resistivity of 12,1 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 103 kg/km, each indicator value shall be calculated with:  | Mean deviation of extrapolation rule |
|------|------------------|------------------------------------|--|--|--------------------------------------|
| 2000 | Manufacturing    | Linear variation versus weight     | Indicator = a x Cable weight + b   | Indicator = 103 x a + b.   | 0,81%                                |
|      | Distribution     | Linear variation versus weight     | Indicator = a x Cable weight + b   | Indicator = 103 x a + b.   | 0,00%                                |
| A 1  | 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 = (1,2/12,1) x (1/3) x indicator of reference product. | 0,00%                                |
| 4    | End of life      | Linear variation versus weight     | Indicator = a x Cable weight + b   | Indicator = 103 x a + b.   | 0,27%                                |

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

|   |   | Ма | nufacturing |           | Distr    | ibution  | Insta    | ıllation | End      | End of life |  |  |
|---|---|----|-------------|-----------|----------|----------|----------|----------|----------|-------------|--|--|
|   |   |    |             |           |          |          |          |          |          |             |  |  |
|   | а | b  | а           | b         | а        | b        | MIV      |          | а        | b           |  |  |
| Contribution to Global Warming  | - | -  | 2,00E+00    | -6,41E+00 | 5,27E-02 | 2,61E-01 | 2,00E+00 | -        | 1,55E-01 | 6,61E-01    |  |  |
| Contribution to Ozone Depletion   | - | -  | 3,89E-07    | -4,55E-08 | 1,07E-10 | 5,30E-10 | 5,10E-08 | -        | 2,36E-08 | 2,42E-08    |  |  |
| Contribution to Acidification of soil and water   | - |    | 8,83E-03    | -1,60E-01 | 2,37E-04 | 1,17E-03 | 7,60E-03 | -        | 9,39E-04 | 2,94E-03    |  |  |
| Contribution to Water Eutrophication  | - | -  | 1,48E-03    | -1,07E-02 | 5,44E-05 | 2,70E-04 | 8,67E-03 | -        | 1,99E-04 | 8,04E-03    |  |  |
| Contribution to Photochemical Ozone Creation  | - | -  | 7,86E-04    | -7,58E-03 | 1,68E-05 | 8,33E-05 | 5,94E-04 | -        | 5,15E-05 | 2,26E-04    |  |  |
| Contribution to Depletion of abiotic resources - elements   | - | -  | 7,28E-04    | -2,48E-02 | 2,11E-09 | 1,05E-08 | 1,29E-07 | -        | 7,50E-09 | 4,84E-08    |  |  |
| Total Primary Energy consumed   | - | -  | 4,28E+01    | 4,85E+02  | 7,45E-01 | 3,70E+00 | 2,18E+01 | -        | 2,70E+00 | 6,51E+00    |  |  |
| Net volume of Freshwater consumed   | - | -  | 1,24E+00    | 7,47E+01  | 4,71E-06 | 2,34E-05 | 1,76E-03 | -        | 2,77E-04 | 9,01E-04    |  |  |
| Contribution to Depletion of abiotic resources - fossil fuels                                       | - | -  | 0,00E+00    | 0,00E+00  | 7,40E-01 | 3,67E+00 | 1,94E+01 | -        | 1,73E+00 | 5,29E+00    |  |  |
| Contribution to Water Pollution   | - | -  | 3,20E+01    | 5,08E+02  | 8,66E+00 | 4,29E+01 | 2,26E+02 | -        | 1,33E+01 | 5,95E+01    |  |  |
| Contribution to Air Pollution   | - | -  | 2,18E+02    | 3,56E+03  | 2,16E+00 | 1,07E+01 | 2,37E+02 | -        | 8,97E+00 | 1,83E+02    |  |  |
| Use of renewable primary energy, excluding renewable primary energy resources used as raw materials | - | -  | 2,86E+03    | -8,43E+04 | 9,92E-04 | 4,93E-03 | 5,48E-01 | -        | 1,43E-01 | 3,61E-01    |  |  |
| Use of renewable primary energy resources as raw materials  | - | -  | 3,20E+00    | -2,44E+01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | -        | 0,00E+00 | 0,00E+00    |  |  |
| Total use of renewable primary energy resources   | - | -  | 0,00E+00    | 0,00E+00  | 9,92E-04 | 4,93E-03 | 5,48E-01 | -        | 1,43E-01 | 3,61E-01    |  |  |
| Use of non-renewable primary energy, excluding non-renewable primary                                | - |    | 3,20E+00    | -2,44E+01 | 7,44E-01 | 3,69E+00 | 2,12E+01 | -        | 2,55E+00 | 6,13E+00    |  |  |
| Use of non-renewable primary energy resources as raw materials                                      | = | -  | 2,94E+01    | -4,41E+01 | 0,00E+00 | 0,00E+00 | 0,00E+00 | -        | 0,00E+00 | 0,00E+00    |  |  |
| Total use of non-renewable primary energy resources   | - | -  | 1,02E+01    | 5,53E+02  | 7,44E-01 | 3,69E+00 | 2,12E+01 | -        | 2,55E+00 | 6,13E+00    |  |  |
| Use of renewable secondary fuels  | - | -  | 3,96E+01    | 5,09E+02  | 0,00E+00 | 0,00E+00 | 0,00E+00 | -        | 0,00E+00 | 0,00E+00    |  |  |
| Use of non-renewable secondary fuels  | - | -  | 0,00E+00    | 0,00E+00  | 0,00E+00 | 0,00E+00 | 0,00E+00 | -        | 0,00E+00 | 0,00E+00    |  |  |
| Use of secondary materials  | - | -  | 0,00E+00    | 0,00E+00  | 0,00E+00 | 0,00E+00 | 0,00E+00 | -        | 0,00E+00 | 0,00E+00    |  |  |
| Hazardous waste disposed  | - | -  | 9,64E-02    | -3,28E+00 | 0,00E+00 | 0,00E+00 | 8,85E-03 | -        | 1,26E-04 | 7,49E-03    |  |  |
| Non-hazardous waste disposed  | - | -  | 6,71E+01    | -2,28E+03 | 1,87E-03 | 9,28E-03 | 1,86E+01 | -        | 7,39E-01 | 2,59E+01    |  |  |
| Radioactive waste disposed  | - | -  | 3,32E-01    | 1,91E+01  | 1,33E-06 | 6,61E-06 | 6,37E-04 | -        | 2,97E-04 | 3,03E-04    |  |  |
| Components for reuse  | - | -  | 6,86E-04    | 2,65E-02  | 0,00E+00 | 0,00E+00 | 0,00E+00 | -        | 0,00E+00 | 0,00E+00    |  |  |
| Exported energy   | - | -  | 0,00E+00    | 0,00E+00  | 0,00E+00 | 0,00E+00 | 0,00E+00 | -        | 0,00E+00 | 0,00E+00    |  |  |
| Materials for energy recovery   | - | -  | 0,00E+00    | 0,00E+00  | 0,00E+00 | 0,00E+00 | 0,00E+00 | -        | 0,00E+00 | 0,00E+00    |  |  |
| Materials for recycling   | - | -  | 0,00E+00    | 0,00E+00  | 0,00E+00 | 0,00E+00 | 0,00E+00 | -        | 6,75E-01 | -2,47E+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 copper - non tinned wires according to the standard IEC 60228.

| Section (mm²) | Resistance |   |   |   |   |   |   |   | 1 | √° of | CON | NDUC | TORS | 5  |    |    |    |    |    |    |
|---------------|------------|---|---|---|---|---|---|---|---|-------|-----|------|------|----|----|----|----|----|----|----|
| Section (mm.) | (ohm/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           | -          |   |   |   |   |   |   |   |   |       |     |      |      |    |    |    |    |    |    |    |
| 150           | -          |   |   |   |   |   |   |   |   |       |     |      |      |    |    |    |    |    |    |    |
| 185           | -          |   |   |   |   |   |   |   |   |       |     |      |      |    |    |    |    |    |    |    |
| 240           | -          |   |   |   |   |   |   |   |   |       |     |      |      |    |    |    |    |    |    |    |
| 300           | -          |   |   |   |   |   |   |   |   |       |     |      |      |    |    |    |    |    |    |    |
| 400           | 0,0465     |   |   |   |   |   |   |   |   |       |     |      |      |    |    |    |    |    |    |    |
| 500           | -          |   |   |   |   |   |   |   |   |       |     |      |      |    |    |    |    |    |    |    |
| 630           | -          |   |   |   |   |   |   |   |   |       |     |      |      |    |    |    |    |    |    |    |
| 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 link below:

 $\underline{https://www.nexans.se/products/Building-cables/Building-cables/EXQ-Easy-330021.html}$ 

\*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.

