

## N2XCH

Halogen-free power cable with concentric copper conductor

N2XCH, Halogen-free power cable with concentric conductor acc. HD 604/VDE 0276-604, building installation, improved fire characteristics for fixed installation

### Info

CPR: Article number choice under [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)

Halogen-free alternative to the PVC installation cable NYCY

With concentric copper conductor



Halogen-free



Flame-retardant

### Benefits

Concentric conductor above all as PE

### Application range

For installation on or under the plaster

Fixed installation indoor, in air or concrete

For buildings or industrial plants with a high density of people or valuable assets

No direct burial or installation in water

Outdoor laying only when protected from direct sunlight and other external impacts

## N2XCH

### Product features

Flame-retardant according IEC 60332-1-2

No flame-propagation according to IEC 60332-3-24

Halogen-free according to IEC 60754-1

(amount of halogen acid gas)

Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)

Low smoke density according to IEC 61034-2

### Norm references / Approvals

HD 604/VDE 0276-604

### Product Make-up

Bare copper wire conductor

Abbreviations "re", "rm", "se", "sm":

r = round conductor form;

s = sectorial conductor form;

e = single-wire conductor;

m = multi-wire conductor;

Core insulation: Cross-linked Polyethylen (XLPE)

Filling compound over the core assembly

Concentric conductor: bare copper wires

Outer sheath: halogen-free, thermoplastic polyolefin compound

### Technical Data

Classification ETIM 5:

ETIM 5.0 Class-ID: EC000057

ETIM 5.0 Class-Description: Low voltage power cable

Classification ETIM 6:

ETIM 6.0 Class-ID: EC000057

ETIM 6.0 Class-Description: Low voltage power cable

Core identification code:

Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9

From 6 cores: black with white numbers

Conductor stranding:

Single or multi-wire

Minimum bending radius:

Single-core: 15 x outer diameter

Multi-core: 12 x outer diameter

Nominal voltage:

U0/U: 0.6/1.0 kV

Test voltage:

4000 V

Temperature range:

During installation: -5°C bis +90°C

Fixed installation: -40°C bis +90°C

### Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

**N2XCH**

| Article number | Number of cores and mm <sup>2</sup> per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---------------------------------------------------|---------------------|----------------------|----------------|
| N2XCH          |                                                   |                     |                      |                |
| 30017695       | 2x1,5 RE/1,5                                      | 11.1                | 53                   | 172            |
| 30017696       | 2x2,5 RE/2,5                                      | 11.9                | 80                   | 213            |
| 30017697       | 2x4 RE/4                                          | 14                  | 122                  | 322            |
| 30017698       | 2x6 RE/6                                          | 15                  | 183                  | 410            |
| 30017699       | 2x10 RE/10                                        | 17                  | 311                  | 550            |
| 30017701       | 3x1,5 RE/1,5                                      | 11.5                | 67                   | 190            |
| 30017702       | 3x2,5 RE/2,5                                      | 12.3                | 103                  | 239            |
| 30017703       | 3x4 RE/4                                          | 13.5                | 160                  | 314            |
| 30017704       | 3x6 RE/6                                          | 14.9                | 242                  | 410            |
| 30017705       | 3x10 RE/10                                        | 16.8                | 406                  | 600            |
| 30017707       | 3x25 RM/16                                        | 25.3                | 1001                 | 1360           |
| 30017708       | 3x35 RM/16                                        | 29.2                | 1400                 | 1795           |
| 30017716       | 4x1,5 RE/1,5                                      | 12.2                | 80                   | 217            |
| 30017717       | 4x2,5 RE/2,5                                      | 13.2                | 129                  | 275            |
| 30017718       | 4x4 RE/4                                          | 14.5                | 202                  | 365            |
| 30017719       | 4x6 RE/6                                          | 15.9                | 296                  | 479            |
| 30017720       | 4x10 RE/10                                        | 18                  | 504                  | 709            |
| 30017722       | 4x25 RM/16                                        | 25.6                | 1142                 | 1526           |
| 30017723       | 4x35 RM/16                                        | 26.9                | 1526                 | 1814           |
| 30017730       | 7x1,5 RE/2,5                                      | 15                  | 133                  | 360            |
| 30017731       | 7x2,5 RE/2,5                                      | 16                  | 200                  | 378            |
| 30017733       | 7x4 RE/4                                          | 18                  | 315                  | 599            |
| 30017734       | 7x6 RE/6                                          | 19                  | 470                  | 850            |
| 1550696        | 10x1,5 RE/2,5                                     | 17.2                | 177                  | 420            |
| 1550697        | 10x2,5 RE/4                                       | 18.9                | 287                  | 550            |
| 30017735       | 12x1,5 RE/2,5                                     | 18                  | 205                  | 437            |
| 30017736       | 12x2,5 RE/4                                       | 19.5                | 334                  | 589            |
| 30017737       | 12x4 RE/6                                         | 23                  | 528                  | 920            |
| 1550701        | 16x1,5 RE/4                                       | 20                  | 275                  | 686            |
| 1550702        | 16x2,5 RE/6                                       | 20.9                | 450                  | 805            |
| 30017738       | 24x1,5 RE/6                                       | 22.7                | 413                  | 764            |
| 30017739       | 24x2,5 RE/10                                      | 26                  | 695                  | 1189           |
| 30017740       | 30x1,5 RE/6                                       | 23.9                | 499                  | 880            |
|                |                                                   |                     |                      |                |

Last Update (08.02.2018)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

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| Article number | Number of cores and mm <sup>2</sup> per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---------------------------------------------------|---------------------|----------------------|----------------|
| 3017741        | 30x2,5 RE/10                                      | 26.6                | 840                  | 1238           |

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