

N2XCH

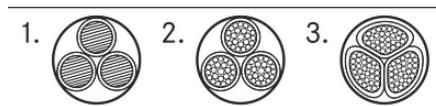
Halogen-free power cable with concentric copper conductor

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

With concentric copper conductor



Flame-retardant



Halogen-free

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

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

Last Update (25.04.2024)

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Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

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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

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).

* Trade product, no Lapp product

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.

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
30017696	2x2,5 RE/2,5	12.8	80	251
30017701	3x1,5 RE/1,5	12.4	67	220.9
30017702	3x2,5 RE/2,5	13.3	103	282.9
30017703	3x4 RE/4	14.7	160	357.2
30017704	3x6 RE/6	15.9	242	451.7
30017705	3x10 RE/10	18.0	406	646.2
30017707	3x25 RM/16	24.7	902	1,258.3
30017716	4x1,5 RE/1,5	13.1	80	246.3
30017717	4x2,5 RE/2,5	14.1	129	310
30017718	4x4 RE/4	15.3	202	416.2
30017719	4x6 RE/6	17.0	296	516.1
30017720	4x10 RE/10	18.0	504	709
30017722	4x25 RM/16	26.4	1142	1,556.7
30017723	4x35 RM/16	29.1	1526	2025
30017731	7x2,5 RE/2,5	16.0	200	417.7