

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 (03.04.2025)

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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

N2XCH

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.

N2XCH

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
N2XCH				
30017695	2x1,5 RE/1,5	12.0	53	196.4
30017696	2x2,5 RE/2,5	12.8	80	251
30017697	2x4 RE/4	14.1	122	303.2
30017698	2x6 RE/6	15.2	183	400.4
30017699	2x10 RE/10	17.1	311	545.4
1550661	2x16 RE/16	19.3	490	759.2
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
1550667	3x16 RE/16	18.9	643	825.1
30017707	3x25 RM/16	24.7	902	1,258.3
30017708	3x35 RM/16	29.2	1190	1795
1550670	3x50 SM/25	28.0	1723	1,992.2
1550671	3x70 SM/35	32.1	2410	2,740.9
1550672	3x95 SM/50	35.1	3296	3,604.4
1550673	3x120 SM/70	39.0	4236	4,594.4
1550674	3x150 SM/70	43.0	5100	5,470.2
1550675	3x185 SM/95	47.7	6381	6,894.8
1550676	3x240 SM/120	54.6	8240	8,830.3
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
1550682	4x16 RE/16	21.8	796	1,077.5
30017722	4x25 RM/16	26.4	1142	1,556.7
30017723	4x35 SM/16	29.1	1526	2025
1550685	4x50 SM/25	31.2	2203	2481
1550686	4x70 SM/35	36.6	3082	3,483.8
1550687	4x95 SM/50	40.1	4208	4,629.9
1550688	4x120 SM/70	44.7	5388	55,842.6

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1550689	4x150 SM/70	48.0	6540	6,911.5
1550690	4x185 SM/95	53.9	8159	8,760.1
1550691	4x240 SM/120	61.1	10546	11,362.2
30017730	7x1,5 RE/2,5	13.4	133	305.7
30017731	7x2,5 RE/2,5	16.0	200	417.7
30017733	7x4 RE/4	17.9	315	576.6
30017734	7x6 RE/6	19.0	470	850
1550696	10x1,5 RE/2,5	18.5	177	402.6
1550697	10x2,5 RE/4	19.8	287	575.7
30017735	12x1,5 RE/2,5	18.3	205	469.3
30017736	12x2,5 RE/4	20.3	334	640.3
30017737	12x4 RE/6	23.3	528	876.8
1550701	16x1,5 RE/4	21.2	275	610.9
1550702	16x2,5 RE/6	23.2	450	813.3
30017738	24x1,5 RE/6	24.3	413	847.7
30017739	24x2,5 RE/10	27.9	695	1,155.2