

## N2XCH

Halogen-free power cable with concentric copper conductor

N2XCH, VDE, halogen-free power cable with concentric conductor according to HD 604/VDE 0276-604. Building installation with improved fire characteristics for fixed installation

### Info

Halogen-free alternative to the PVC cable for direct burial NYCY  
With concentric copper conductor



Halogen-free



Flame-retardant

### Benefits

Concentric copper conductor above all as PE

### Application range

For installation over, on, in or under the plaster  
Fixed installation indoors, in air or concrete  
For buildings or industrial plants with a high density of people or valuable assets  
Not intended for direct burial or installation in water  
Outdoor laying only when protected from direct sunlight and other external impacts

### Product features

Flame-retardant according to IEC 60332-1-2  
No flame propagation according to IEC 60332-3-24  
Halogen-free according to IEC 60754-1  
(amount of halogen acidic gas)  
Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)  
Low smoke density according to IEC 61034-2

## N2XCH

### Norm references / approvals

HD 604/VDE 0276-604

### Design

Bare copper wire conductor

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

r = round conductor form;

s = sector-shaped conductor;

e = single-wire conductor;

m = multi-wire conductor;

Core insulation: Polyethylene (PE)

Filling compound over the core assembly

Concentric conductor made of bare copper wires

Outer sheath made of halogen-free, thermoplastic polyolefin compound

### Technical Data

Classification:	ETIM 5.0 Class-ID: EC000057 ETIM 5.0 Class-Description: Power cable
Core identification code:	Up to 5 cores: according to VDE 0293-308 (appendix T9) From 6 cores: black with white numbers
Conductor design:	Single or multi-wire
Minimum bending radius:	Single core: 15 x outer diameter Multi-core: 12 x outer diameter
Nominal voltage:	$U_0/U$ : 0.6/1.0 kV
Test voltage:	4000 V
Temperature range:	During laying: -5°C to +90°C Fixed installation: -40°C to +90°C

### Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

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

Packaging: Ring  $\leq 30$  kg or  $\leq 250$  m, otherwise drum

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

Photographs 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 <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
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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
1550661	2x16 RE/16	19	490	790
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
1550667	3x16 RE/16	19.9	643	896
30017707	3x25 RM/16	25.3	1001	1360
30017708	3x35 RM/16	29.2	1400	1795
1550670	3x50 SM/25	32	2003	2460
1550671	3x70 SM/35	36	2794	3080
1550672	3x95 SM/50	39	3790	4310
1550673	3x120 SM/70	42	4785	5233
1550674	3x150 SM/70	48	5100	5788
1550675	3x185 SM/95	49.5	6381	7150
1550676	3x240 SM/120	54	8240	9273
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
1550682	4x16 RE/16	21.5	796	1068
30017722	4x25 RM/16	25.6	1142	1526
30017723	4x35 RM/16	26.9	1526	1814
1550685	4x50 SM/25	29.6	2203	2405
1550686	4x70 SM/35	34	3082	3378
1550687	4x95 SM/50	38.5	4208	4568
1550688	4x120 SM/70	44.7	5388	5773

Last Update (23.03.2017)

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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)
1550689	4x150 SM/70	46.6	6540	6921
1550690	4x185 SM/95	53.8	8195	8866
1550691	4x240 SM/120	57.6	10546	11167
30017730	7x1,5 RE/1,5	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
3017741	30x2,5 RE/10	26.6	840	1238

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