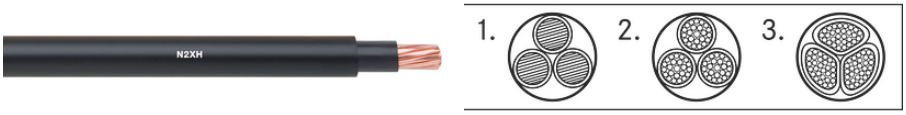
N2XH

Halogen-free power cable with rated voltage 0,6/1 kV for fixed installation

N2XH - Halogen-free power cable acc. HD 604/VDE 0276-604. Building installation cable with improved fire characteristics for fixed installation

Info
CPR: Article number choice under www.lappkabel.com/cpr



Flame-retardant

Halogen-free

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

Norm references / Approvals
HD 604/VDE 0276-604

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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

N2XH

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
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
Protective conductor:	J = with GN-YE protective conductor O = without protective conductor
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.

Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
N2XH-O				
1550556	1x1,5 RE	5.3	14	40.1
1550557	1x2,5 RE	6.4	24	66
3017600	1x4 RE	6.6	38	77.6
30017645	1x6 RE	7.1	58	98.6
30017646	1x10 RE	7.9	96	140.7
1550561	1x16 RE	8.8	154	199.9
30017648	1x25 RM	10.8	240	305.2
30017649	1x35 RM	12.0	336	401.6
30017650	1x50 RM	13.3	480	525.9
30017651	1x70 RM	15.0	672	728.7
30017652	1x95 RM	17.0	912	1,001.6
30017653	1x120 RM	18.6	1152	1,225.8
3017601	1x150 RM	20.5	1440	1,477.7
3017602	1x185 RM	23.1	1776	1,878.2
3017603	1x240 RM	25.4	2304	2,432.9
1112935	1x300 RM	28.1	2880	2,965.7
30017654	2x1,5 RE	9.1	29	113.5
30017655	2x2,5 RE	10.0	48	177.4
30017656	2x4 RE	10.9	77	296.5
30017657	2x6 RE	11.9	115	243.5
30017658	2x10 RE	13.6	192	360.6
1550578	2x16 RE	15.7	307	528.5
3017605	2x25 RM	19.9	480	844.4
35002466	3x1,5 RE	9.6	43	130.7
1550581	3x2,5 RE	10.1	72	170.1
N2XH-J				
1112940	1x25 RM	10.8	240	305.2
1112941	1x35 RM	12.0	336	401.5
1112942	1x50 RM	13.3	480	525.8
1112943	1x70 RM	15.0	672	728.6
1112944	1x95 RM	17.0	912	1,001.4
1112945	1x120 RM	18.7	1152	1,225.3
1112946	1x150 RM	20.4	1440	1477

Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1112947	1x185 RM	22.8	1776	1,877.8
1112948	1x240 RM	25.4	2304	2,432.5
1112949	1x300 RM	27.9	2880	2,960.7
30017659	3x1,5 RE	9.6	43	141.1
30017660	3x2,5 RE	10.5	72	181.6
30017661	3x4 RE	11.4	115	228
30017662	3x6 RE	12.5	173	299.5
30017663	3x10 RE	14.3	288	454.3
1550601	3x16 RE	16.5	461	663
30017665	3x25 RM	21.0	720	1,046.9
1550603	3x35 SM	21.9	1080	1,249.7
1550604	3x50 SM	23.9	1440	1,579.2
1550605	3x70 SM	27.2	2016	2267
1550606	3x95 SM	30.3	2736	2,982.4
1550607	3x120 SM	33.6	3456	3,708.6
1550608	3x150 SM	37.1	4320	4,552.7
1550609	3x185 SM	41.5	5328	5,669.5
1550610	3x240 SM	46.9	6912	7,370.3
30017671	4x1,5 RE	10.3	58	154.5
30017672	4x2,5 RE	11.2	96	203.5
30017673	4x4 RE	12.4	154	277.2
30017674	4x6 RE	13.6	230	366.2
30017675	4x10 RE	15.7	384	573.7
1550616	4x16 RE	18.4	614	825.2
30017677	4x25 RM	22.9	960	1,296.9
1550618	4x35 SM	23.4	1344	1,561.6
1550619	4x50 SM	26.8	1920	2065
1550620	4x70 SM	31.0	2688	2,911.8
1550621	4x95 SM	34.7	3648	3,934.6
1550622	4x120 SM	38.6	4608	4,883.6
1550623	4x150 SM	42.6	5760	6,005.2
1550624	4x185 SM	47.4	7104	7,488.7
1550625	4x240 SM	53.8	9216	9,771.9
30017683	5x1,5 RE	11.1	72	193.3

Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
30017684	5x2,5 RE	12.1	120	251.9
30017685	5x4 RE	13.5	192	343.6
30017686	5x6 RE	14.8	288	450.5
30017687	5x10 RE	17.1	480	684.9
1550631	5x16 RE	20.0	768	1,009.5
30017689	5x25 RM	25.1	1200	1,611.4
1550633	5x35 RM	28.5	1680	2,109.7
30017690	7x1,5 RE	11.9	101	232.2
30017691	7x2,5 RE	13.2	168	319
30017692	7x4 RE	14.8	269	436.6
3017612	10x1,5 RE	14.9	144	329
3017613	10x2,5 RE	16.6	240	441.6
30017693	12x1,5 RE	15.4	173	367.3
30017694	12x2,5 RE	17.0	288	505
3017614	12x4 RE	19.3	461	701.2
3017615	14x1,5 RE	16.2	202	399.8
3017616	14x2,5 RE	18.1	336	567.9
3017617	19x1,5 RE	17.9	274	516.4
3017618	19x2,5 RE	19.9	456	721.2
3017619	24x1,5 RE	20.9	346	636.2
3017620	24x2,5 RE	23.2	576	910.2
3017621	30x1,5 RE	22.0	432	741.9
3017622	30x2,5 RE	24.9	720	1,085.5
1550649	3x50/25 SM	27.2	1680	1934
1550650	3x70/35 SM	30.5	2352	2621
1550651	3x95/50 SM	35.5	3216	3,636.5
1550652	3x120/70 SM	39.7	4128	4,626.4
1550653	3x150/70 SM	43.4	4992	5,494.9
1550654	3x185/95 SM	47.7	6240	6,912.3
1550655	3x240/120 SM	52.7	8064	8,632.3

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