

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

Halogen-free alternative to the PVC installation cable NYY-J, NYY-O



Halogen-free



Flame-retardant

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.

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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 \leq 30 kg or \leq 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.

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
N2XH-O				
1550556	1x1,5 RE	5.5	14	53
1550557	1x2,5 RE	5.8	24	58
3017600	1x4 RE	6.2	38	69
30017645	1x6 RE	6.5	58	90
30017646	1x10 RE	7.3	96	131
30017648	1x25 RM	10.2	240	293
30017649	1x35 RM	11.3	336	389
30017650	1x50 RM	12.7	480	517
30017651	1x70 RM	14.6	672	717
30017652	1x95 RM	16.3	912	972
30017653	1x120 RM	18.3	1152	1215
3017601	1x150 RM	20	1440	1494
3017602	1x185 RM	22.6	1776	1855
3017603	1x240 RM	25.2	2304	2387
1112935	1x300 RM	27.9	2880	2971
30017654	2x1,5 RE	12	29	185
30017655	2x2,5 RE	13	48	220
30017656	2x4 RE	14	77	275
30017657	2x6 RE	15	115	335
30017658	2x10 RE	16	192	450
3017605	2x25 RM	21	480	950
35002466	3x1,5 RE	8.9	43	125
1550581	3x2,5 RE	9.8	72	163
N2XH-J				
1112940	1x25 RM	10.2	240	293
1112941	1x35 RM	11.3	336	389
1112942	1x50 RM	12.7	480	517
1112943	1x70 RM	14.6	672	717
1112944	1x95 RM	16.3	912	972
1112945	1x120 RM	18.3	1152	1215
1112946	1x150 RM	20	1440	1494
1112947	1x185 RM	22.6	1776	1855
1112948	1x240 RM	25.2	2304	2387

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1112949	1x300 RM	27.9	2880	2971
30017659	3x1,5 RE	8.9	43	125
30017660	3x2,5 RE	9.8	72	163
30017661	3x4 RE	10.8	115	219
30017662	3x6 RE	11.8	173	289
30017663	3x10 RE	13.6	288	431
30017665	3x25 RM	20.2	720	1015
30017671	4x1,5 RE	9.7	58	147
30017672	4x2,5 RE	10.6	96	195
30017673	4x4 RE	11.7	154	266
30017674	4x6 RE	12.9	230	355
30017675	4x10 RE	15.2	384	547
30017677	4x25 RM	22.6	960	1294
30017683	5x1,5 RE	10.5	72	174
30017684	5x2,5 RE	11.5	120	233
30017685	5x4 RE	12.7	192	319
30017686	5x6 RE	14.2	288	437
30017687	5x10 RE	17	480	682
30017689	5x25 RM	24.9	1200	1584
1550633	5x35 RM	28.4	1680	2155
30017690	7x1,5 RE	11.3	101	214
30017691	7x2,5 RE	12.4	168	291
30017692	7x4 RE	17	269	540
3017612	10x1,5 RE	14	144	299
3017613	10x2,5 RE	15.8	240	419
30017693	12x1,5 RE	14.7	173	342
30017694	12x2,5 RE	16.4	288	480
3017614	12x4 RE	21	461	805
3017615	14x1,5 RE	17	202	480
3017616	14x2,5 RE	19	336	635
3017617	19x1,5 RE	18	274	600
3017618	19x2,5 RE	21	456	810
3017619	24x1,5 RE	20.2	346	625
3017620	24x2,5 RE	24	576	990

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
3017621	30x1,5 RE	21.3	432	738
3017622	30x2,5 RE	23.7	720	1045
1550649	3x50/25 SM	28.5	1680	2100
1550650	3x70/35 SM	31.4	2352	2800
1550651	3x95/50 SM	34.9	3216	3750
1550652	3x120/70 SM	38	4128	4750
1550653	3x150/70 SM	43.3	4992	5750
1550654	3x185/95 SM	47.2	6240	7200
1550655	3x240/120 SM	53.4	8064	9300

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