

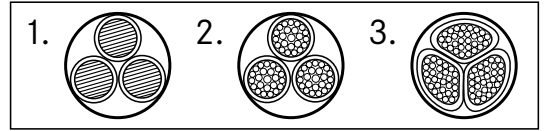


**N2XH**

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

**Info**

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



**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

**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;  
Picture 1. = re  
Picture 2. = rm  
Picture 3. = sm
- Core insulation: PE
- Filling compound over the core assembly
- Outer sheath: halogen-free, thermoplastic polyolefin compound

**Technical data**

**Classification**  
ETIM 5.0 Class-ID: EC000057  
ETIM 5.0 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**  
U<sub>0</sub>/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

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>N2XH-O</b>				
1550556	1x1,5 RE	6.0	14	53
1550557	1x2,5 RE	6,5	24	90
3017600	1x4 RE	8,5	38	69
30017645	1x6 RE	6,5	58	90
30017646	1x10 RE	7,3	96	131
30017647	1x16 RM	8,6	154	197
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	20.0	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	12.0	29	185
30017655	2x2,5 RE	13.0	48	220
30017656	2x4 RE	14.0	77	275
30017657	2x6 RE	15.0	115	335
30017658	2x10 RE	16.0	192	450
3017604	2x16 RM	18.0	307	625
3017605	2x25 RM	21.0	480	950
35002466	3x1,5 RM	13.0	43	179
1550581	3x2,5 RM	14.0	72	225
<b>N2XH-J</b>				
1112940	1x25 RM	10,2	240	293
1112941	1x35 RM	11,3	336	389
1112942	1x50 RM	12,7	480	517

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1112943	1x70 RM	14,6	672	717
1112944	1x95 RM	16,3	912	972
1112945	1x120 RM	18,3	1152	1215
1112946	1x150 RM	20,0	1440	1494
1112947	1x185 RM	22,6	1776	1855
1112948	1x240 RM	25,2	2304	2387
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
30017664	3x16 RM	16,7	461	638
30017665	3x25 RM	20,2	720	1015
30017666	3x35 RM	22,3	950	1231
30017667	3x50 RM	25,5	1440	1652
30017668	3x70 RM	30,0	2016	2455
30017669	3x95 RM	32,0	2736	3260
30017670	3x120 RM	35,0	3456	4000
3017606	3x150 RM	39,0	4320	5100
3017607	3x185 RM	44,0	5328	6160
3017608	3x240 RM	49,0	6912	8000
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
30017676	4x16 RM	18,3	614	839
30017677	4x25 RM	22,6	960	1294
30017678	4x35 RM	25,8	1344	1605

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
30017679	4x50 RM	29,4	1920	2154
30017680	4x70 RM	34,4	2688	3047
30017681	4x95 RM	38,6	3648	4102
30017682	4x120 RM	42,4	4608	5062
3017609	4x150 RM	47,2	5760	6256
3017610	4x185 RM	52,0	7104	7751
3017611	4x240 RM	58,6	9216	10047
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	17,0	480	682
30017688	5x16 RM	20,2	768	1036
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	17,0	269	540
3017612	10x1,5 RE	14,0	144	299

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
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	21,0	461	805
3017615	14x1,5 RE	17,0	202	480
3017616	14x2,5 RE	19,0	336	635
3017617	19x1,5 RE	18,0	274	600
3017618	19x2,5 RE	21,0	456	810
3017619	24x1,5 RE	20,2	346	625
3017620	14x2,5 RE	24,0	576	990
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	38,0	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

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](http://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).

Photographs are not to scale and do not represent detailed images of the respective products.

#### Similar products

- NYY-J, NYY-O refer to page 223