

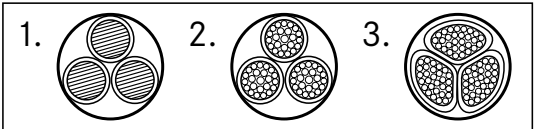


**N2XCH**

Halogen-free power cable with concentric copper conductor

**Info**

- Halogen-free alternative to the PVC installation cable NYCY
- With concentric copper conductor



**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 to 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
- Concentric conductor: bare copper wires
- 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

**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>N2XCH</b>				
30017695	2x1,5 RE/1,5	11,1	52	172
30017696	2x2,5 RE/2,5	11,9	80	213
30017697	2x4 RE/4	14,0	122	322
30017698	2x6 RE/6	15,0	183	410
30017699	2x10 RE/10	17,0	311	550
30017700	2x16 RM/16	19,0	490	790
30017701	3x1,5 RE/1,5	11,5	66	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	408	600
30017706	3x16 RM/16	19,9	643	896
30017707	3x25 RM/16	25,3	1001	1360
30017708	3x35 RM/16	29,2	1400	1795
30017709	3x50 RM/25	32,0	2003	2460
30017710	3x70 RM/35	36,0	2794	3080
30017711	3x95 RM/50	39,0	3790	4310
30017712	3x120 RM/70	42,0	4785	5233
30017713	3x150 RM/70	44,0	5100	5788
30017714	3x185 RM/95	48,0	6381	7150
30017715	3x240 RM/120	54,0	8240	9273
30017716	4x1,5 RE/1,5	12,2	81	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

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
30017720	4x10 RE/10	18,0	504	709
30017721	4x16 RM/16	21,5	796	1068
30017722	4x25 RM/16	25,6	1142	1526
30017723	4x35 RM/16	26,9	1526	1814
30017724	4x50 RM/25	29,6	2203	2405
30017725	4x70 RM/35	34,0	3082	3378
30017726	4x95 RM/50	38,5	4208	4568
30017727	4x120 RM/70	42,7	5388	5773
30017728	4x150 RM/70	46,6	6540	6921
30017729	4x185 RM/95	51,8	8195	8866
30017732	4x240 RM/120	57,6	10546	11167
30017730	7x1,5 RE/1,5	15,0	133	380
30017731	7x2,5 RE/2,5	15,0	200	378
30017733	7x4 RE/4	18,0	315	599
30017734	7x6 RE/6	19,0	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	17,2	205	437
30017736	12x2,5 RE/4	19,0	334	589
30017737	12x4 RE/6	23,0	528	920
1550701	16x1,5 RE/4	20,0	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	26,0	695	1189
30017740	30x1,5 RE/6	23,9	499	880
3017741	30x2,5 RE/10	26,6	840	1238

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**

- NYCY refer to page 228
- NYCWY refer to page 229