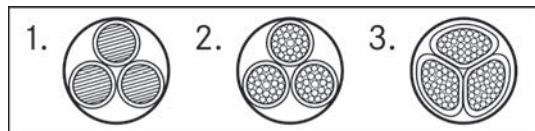




N2XCH

Halogen-free power cable 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 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;
- Core insulation: Cross-linked Polyethylen (XLPE)
- Filling compound over the core assembly
- Concentric conductor: bare copper wires
- Outer sheath: halogen-free, thermoplastic polyolefin compound

Info

- CPR: Article number choice under www.lappkabel.com/cpr
- Halogen-free alternative to the PVC installation cable NYCY
- With concentric copper conductor

Technical data

- Classification ETIM 5/6**
ETIM 5.0/6.0 Class-ID: EC000057
ETIM 5.0/6.0 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
- Temperature range**
During installation: -5 °C up to +90 °C
Fixed installation: -40 °C up to +90 °C

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
N2XCH				
30017695	2x1,5 RE/1,5	11,1	53	172
30017696	2x2,5 RE/2,5	11,9	80	213
30017697	2x4 RE/4	14,0	122	322
30017698	2x6 RE/6	15,0	183	410
30017699	2x10 RE/10	17,0	311	550
1550661	2x16 RE/16	19,0	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	32,0	2003	2460
1550671	3x70 SM/35	36,0	2794	3080
1550672	3x95 SM/50	39,0	3296	4310
1550673	3x120 SM/70	42,0	4785	5233
1550674	3x150 SM/70	48,0	5100	5788
1550675	3x185 SM/95	49,5	6381	7150
1550676	3x240 SM/120	54,0	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

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
30017720	4x10 RE/10	18,0	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	34,0	3082	3378
1550687	4x95 SM/50	38,5	4208	4568
1550688	4x120 SM/70	44,7	5388	5773
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/2,5	15,0	133	360
30017731	7x2,5 RE/2,5	16,0	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	18,0	205	437
30017736	12x2,5 RE/4	19,5	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.
Copper price basis: excluding copper. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
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).
Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Similar products

- NYCY refer to page 237
- NYCWY refer to page 238

Accessories

- Cable shears with double edge refer to page 980
- Ratchet cutter refer to page 980
- V 1311-A pressing pliers, hydraulic refer to page 1014
- PVL 1300 pressing pliers battery-operated refer to page 1015