



Info

- CPR: Article number choice under www.lappkabel.com/cpr
- Standard cable for plaster and brickwork

Application range

- For installation on or under the plaster
- In bricks and concrete, except direct embedding in vibrated or compressed concrete
- In dry, damp or wet interiors
- Also suitable for outdoor use if protected against direct sunlight

Product features

- Flame-retardant according IEC 60332-1-2

Norm references / Approvals

- VDE 0250 Part 204

Product Make-up

- Bare copper wire conductor
- Core insulation: Based on PVC
- Filling compound over the core assembly
- Outer sheath: Based on PVC



Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000043
ETIM 5.0/6.0 Class-Description: House wiring 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
≥ 16 mm²: multi-wire



Minimum bending radius

Fixed installation: 4 x outer diameter



Nominal voltage

U₀/U: 300/500 V



Test voltage

2000 V



Protective conductor

J = with GN-YE protective conductor
O = without protective conductor



Temperature range

During installation: +5°C to +60°C
Fixed installation: -40°C to +70°C

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
NYM-J				
1600008	1 G 2,5	6.0	24	60
1600009	1 G 4	6.7	38	85
1600010	1 G 6	7.2	58	105
1600011	1 G 10	8.6	96	160
1600012	1 G 16	9.6	154	220
16000003	3 G 1,5	8.4	43	120
16000013	4 G 1,5	9.2	58	150
16000023	5 G 1,5	9.9	72	175
1600003	7 G 1,5	11.6	101	235
16000213	3 G 2,5	9.6	72	170
16000053	4 G 2,5	10.6	96	210
16000063	5 G 2,5	11.5	120	290
1600071	7 G 2,5	13.7	168	380
16010223	3 G 4	11.3	115	250
16000313	4 G 4	12.7	154	315
16000513	5 G 4	14.0	192	370
16010233	3 G 6	12.8	173	335
16000323	4 G 6	13.8	230	410
16000523	5 G 6	15.5	288	500
16000333	4 G 10	18.0	384	680
16000533	5 G 10	19.5	480	810
16000543	5 G 16	23.0	768	1200
16000353	4 G 25	26.0	960	1500
16000553	5 G 25	28.0	1200	1800

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. 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

- NYY-J, NYY-O refer to page 239
- NHXM refer to page 238

Accessories

- KNIPEX Cable shear refer to page 952
- STAR STRIP stripping tool refer to page 957

Power and control cables

Building Installation • VDE standard cables



NHXMH

Halogen-free; for plaster, bricks, concrete; at high density of people and valuable assets



Info

- CPR: Article number choice under www.lappkabel.com/cpr
- Halogen-free alternative to the PVC installation cable NYM

Application range

- For installation on or under the plaster
- In bricks and concrete, except direct embedding in vibrated or compressed concrete
- In dry, damp or wet interiors
- For buildings or industrial plants with a high density of people or valuable assets

Product features

- Due to the use of halogen-free materials, the formation of toxic dioxins and furanes is considerably reduced in the event of a fire
- Minimizes damages to buildings and equipments that are caused by acidic fumes produced during combustion
- Flame-retardant according IEC 60332-1-2
- No flame-propagation according to IEC 60332-3-24

Norm references / Approvals

- VDE 0250 part 214

Product Make-up

- Bare copper wire conductor
- Core insulation: PE
- Filling compound over the core assembly
- Outer sheath: halogen-free polymer

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000043
ETIM 5.0/6.0 Class-Description: House wiring 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

Fixed installation: 4 x outer diameter



Nominal voltage

U0/U: 300/500 V



Test voltage

2000 V



Protective conductor

G = with GN-YE protective conductor
X = without protective conductor



Temperature range

Maximum conductor temperature:
+70°C

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
NHXMH				
16020003	3 G 1,5	8.5	43	120
16020013	4 G 1,5	9.3	58	145
16020023	5 G 1,5	10.0	72	170
1602003	7 G 1,5	10.8	101	210
16020103	3 G 2,5	9.4	72	160
16020123	5 G 2,5	11.0	120	230

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. 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

- NYM-J refer to page 237

Accessories

- STAR STRIP stripping tool refer to page 957



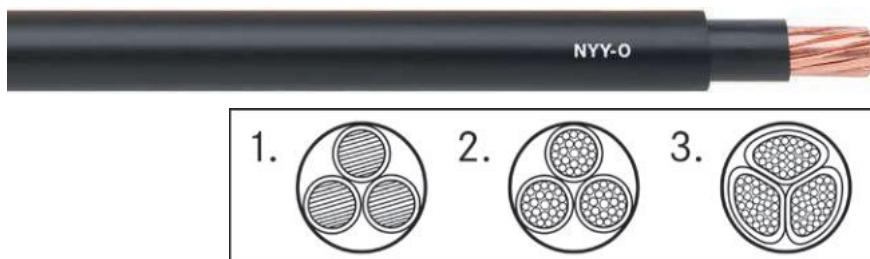
NYY-J, NYY-O

Fixed installation, direct burial; PVC cable with different application areas



Info

- CPR: Article number choice under www.lappkabel.com/cpr
- Standard cable for direct burial with different application areas
- 0,6/1,0 kV alternative to the PVC installation cable NYM



Application range

- Power and control cable for fixed installation in the following applications:
- For indoor and outdoor use
- Burial without additional, suitable underground protection according to VDE standard HD 603/VDE 0276-603 - Part 3-G (point 4) governing PVC cables for direct burial: normal minimum installation depth 0.6 m, but at least 0.8 m under roads
- In concrete with a temperature below the maximum cable operating temperature of +70 °C according to the VDE standard HD 603/VDE 0276-603 - Part 3-G (point 4) governing PVC cables for direct burial

Product features

- Flame-retardant according IEC 60332-1-2
- Current rating according to HD 603/VDE 0276-603, Part 3-G, Table 14 (buried at +20 °C ground temperature according to HD 603/VDE 0276-603, Part 3-G, point 5) for routing underground and Table 15 (in the air at an air temperature of +30 °C according to HD 603/VDE 0276-603, Part 3-G, point 5) when used outdoors; but always taking into consideration corrections/reductions to the current rating that may be necessary according to VDE 0298-4, and VDE 0298-4 (also refer to the catalogue appendix T12) for installation in and on buildings

Norm references / Approvals

- HD 603/VDE 0276-603 (for 1 to 5 cores)
- HD 627/VDE 0276-627 (as from 7 cores)

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: Based on PVC
- Filling compound over the core assembly
- Outer sheath: Based on PVC

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



Protective conductor

J = with GN-YE protective conductor
O = without protective conductor



Temperature range

During installation: -5 °C to +50 °C
Fixed installation: -40 °C to +70 °C

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
NYY-J				
1550030	1 x 25rm	13.0	240	380
1550038	1 x 35rm	14.0	336	447
1550032	1 x 50rm	15.0	480	650
1550033	1 x 70rm	17.0	672	864
1550035	1 x 120rm	21.0	1152	1400
1550037	1 x 185rm	25.0	1776	2080
15500013	3 x 1,5re	12.0	43	223
15500023	4 x 1,5re	13.0	58	256
15500033	5 x 1,5re	14.0	72	293
1550004	7 x 1,5re	15.0	101	360
1550005	10 x 1,5re	18.0	144	520
1550006	12 x 1,5re	19.0	173	560
1550084	14 x 1,5re	20.0	202	620
1550007	16 x 1,5re	21.0	230	680
1550008	19 x 1,5re	22.0	274	760
1550009	24 x 1,5re	24.0	346	900
1550086	30 x 1,5re	26.0	432	1100
15500103	3 x 2,5re	13.0	72	272
15500113	4 x 2,5re	14.0	96	316
15500123	5 x 2,5re	15.0	120	323
1550013	7 x 2,5re	16.0	168	450
1550090	10 x 2,5re	20.0	240	630
1550091	12 x 2,5re	20.0	288	680
1550092	14 x 2,5re	21.0	336	790
1550094	19 x 2,5re	23.0	456	990

Power and control cables



Building Installation • Cables for direct burial

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1550096	24 x 2,5re	26.0	576	1300
1550097	30 x 2,5re	28.0	720	1400
15500583	3 x 4re	15.0	115	373
15500203	4 x 4re	16.0	154	439
15500263	5 x 4re	17.0	192	510
15500593	3 x 6re	16.0	173	466
15500213	4 x 6re	17.0	230	547
15500273	5 x 6re	19.0	288	640
15500603	3 x 10re	18.0	288	629
15500223	4 x 10re	19.0	384	743
15500823	5 x 10re	21.0	480	899
15500613	3 x 16re	20.0	461	850
15500233	4 x 16re	22.0	614	1039
15500833	5 x 16re	23.0	768	1240
15500713	3 x 25rm/ 16re	25.0	874	1595
15500243	4 x 25rm	27.0	960	1620
15500153	3 x 35sm/ 16re	27.0	1162	1718
15500753	4 x 35sm	27.0	1344	1916
15500163	3 x 50sm/25rm	31.0	1680	2383
15500253	4 x 50sm	31.0	1920	2639
15500173	3 x 70sm/35sm	33.0	2352	3196
15500763	4 x 70sm	35.0	2688	3576
15500183	3 x 95sm/50sm	38.0	3216	4271
15500773	4 x 95sm	40.0	3648	4746
15500723	3 x 120sm/70sm	41.0	4128	5281
15500783	4 x 120sm	43.0	4608	5813
15500733	3 x 150sm/70sm	46.0	4992	6408
15500793	4 x 150sm	48.0	5760	7263
15500743	3 x 185sm/95sm	50.0	6240	7909
15500803	4 x 185sm	53.0	7104	8905
15500193	3 x 240sm/120sm	57.0	8064	10162
15500813	4 x 240sm	60.0	9216	11430
NY-Y-O				
1550205	1 x 10re	10.0	96	176
1550206	1 x 16re	11.0	154	239
1550207	1 x 25rm	13.0	240	380
1550208	1 x 35rm	14.0	336	447
1550209	1 x 50rm	15.0	480	650
1550210	1 x 70rm	17.0	672	864
1550211	1 x 95rm	19.0	912	1132
1550212	1 x 120rm	21.0	1152	1405
1550213	1 x 150rm	22.0	1440	1710
1550214	1 x 185rm	25.0	1776	2080
1550215	1 x 240rm	27.0	2304	2669
1550216	1 x 300rm	30.0	2880	3305
1550218	1 x 500rm	39.0	4800	5400
15502003	2 x 1,5re	11.0	29	210
15502193	2 x 2,5re	12.0	48	250
15502203	2 x 4re	14.0	77	360
15502213	2 x 6re	15.0	115	400
15502223	2 x 10re	17.0	192	500
15502533	4 x 16re	22.0	614	1039
15502543	4 x 25rm	27.0	960	1620
15502563	4 x 50sm	31.0	1920	2639
15502573	4 x 70sm	35.0	2688	3576
15502583	4 x 95sm	40.0	3648	4746

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 244
- NYCWY refer to page 245
- NAYY-J, NAYY-O refer to page 246

Accessories

- KNIPEX Cable shear refer to page 952
- KNIPEX Ratchet cutter refer to page 952
- V 1311-A pressing pliers, hydraulic refer to page 980
- PVX 1300 pressing pliers battery-operated refer to page 981
- STAR STRIP stripping tool refer to page 957



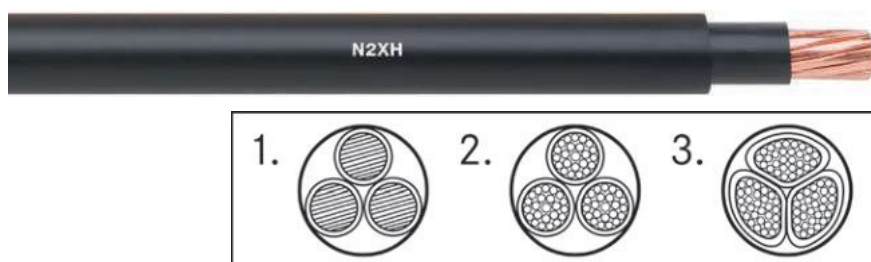
N2XH

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



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
- Outer sheath: halogen-free, thermoplastic polyolefin compound

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
- Protective conductor**
J = with GN-YE protective conductor
O = without protective conductor
- Temperature range**
During installation: -5°C to +90°C
Fixed installation: -40°C to +90°C

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
1550561	1x16 RE	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
1550578	2x16 RE	18.0	307	625
3017605	2x25 RM	21.0	480	950
35002466	3x1,5 RE	8.9	43	125
1550581	3x2,5 RE	9.8	72	163

Power and control cables



Building Installation • VDE standard cables

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
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	20.0	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
1550601	3x16 RE	16.7	461	638
30017665	3x25 RM	20.2	720	1015
1550603	3x35 SM	22.3	1080	1231
1550604	3x50 SM	25.5	1440	1652
1550605	3x70 SM	30.0	2016	2455
1550606	3x95 SM	32.0	2736	3260
1550607	3x120 SM	35.0	3456	4000
1550608	3x150 SM	39.0	4320	5100
1550609	3x185 SM	44.0	5328	6160
1550610	3x240 SM	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
1550616	4x16 RE	18.3	614	839
30017677	4x25 RM	22.6	960	1294
1550618	4x35 SM	25.8	1344	1605
1550619	4x50 SM	29.4	1920	2154
1550620	4x70 SM	34.4	2688	3047
1550621	4x95 SM	38.6	3648	4102
1550622	4x120 SM	42.4	4608	5062
1550623	4x150 SM	47.2	5760	6256
1550624	4x185 SM	52.0	7104	7751
1550625	4x240 SM	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
1550631	5x16 RE	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
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	24x2,5 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.

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

- NYY-J, NYY-O refer to page 239

Accessories

- KNIPEX Cable shear refer to page 952
- KNIPEX Ratchet cutter refer to page 952
- V 1311-A pressing pliers, hydraulic refer to page 980
- PVX 1300 pressing pliers battery-operated refer to page 981

**N2XCH**

Halogen-free power cable with concentric copper conductor

**Info**

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

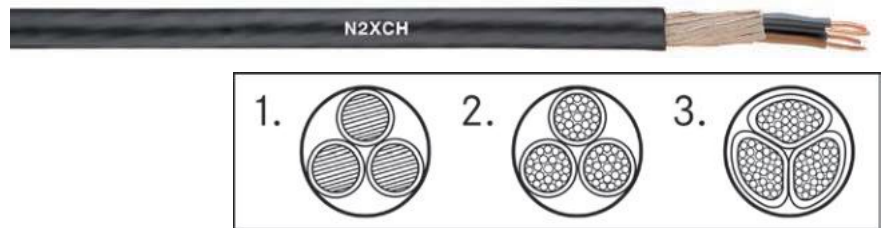
- Flame-retardant according IEC 60332-1-2
- No flame-propagation according to IEC 60332-3-24
- Halogen-free according to IEC 60754-1 (amount of halogen acid gas)
Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
- Low smoke density according to IEC 61034-2

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

**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 to +90°C
Fixed installation: -40°C to +90°C

Article number	Number of cores and mm² 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 mm² 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 244
- NYCWY refer to page 245

Accessories

- KNIPEX Cable shear refer to page 952
- KNIPEX Ratchet cutter refer to page 952
- V 1311-A pressing pliers, hydraulic refer to page 980
- PVX 1300 pressing pliers battery-operated refer to page 981

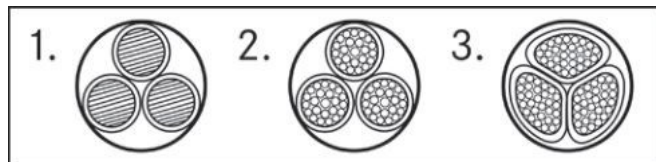
Power and control cables

Building Installation • Cables for direct burial



NYCY

Fixed installation, direct burial; PVC cable with concentric, helical copper conductor and cross-conductive spiral



Info

- CPR: Article number choice under www.lappkabel.com/cpr
- With concentric, helical copper conductor

Benefits

- Concentric conductor above all as PE

Application range

- Power and control cable for fixed installation in the following applications:
- For indoor and outdoor use
- Burial without additional, suitable underground protection according to VDE standard HD 603/VDE 0276-603 - Part 3-G (point 4) governing PVC cables for direct burial: normal minimum installation depth 0.6 m, but at least 0.8 m under roads
- In concrete with a temperature below the maximum cable operating temperature of +70 °C according to the VDE standard HD 603/VDE 0276-603 - Part 3-G (point 4) governing PVC cables for direct burial

Product features

- Flame-retardant according IEC 60332-1-2
- Current rating according to HD 603/VDE 0276-603, Part 3-G, Table 14 (buried at +20 °C ground temperature according to HD 603/VDE 0276-603, Part 3-G, point 5) for routing underground and Table 15 (in the air at an air temperature of +30 °C according to HD 603/VDE 0276-603, Part 3-G, point 5) when used outdoors; but always taking into consideration corrections/reductions to the current rating that may be necessary according to VDE 0298-4, and VDE 0298-4 (also refer to the catalogue appendix T12) for installation in and on buildings

Norm references / Approvals

- HD 603/VDE 0276-603 for NYCY with 3 or 4 cores and the relevant additional concentric protective conductor
- HD 627/VDE 0276-627 for NYCY as from 7 cores and with the additional, concentric protective conductor

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: Based on PVC
- Filling compound over the core assembly
- Concentric, helical, outer conductor made of bare copper strands with inductance-reducing, cross-conductive copper bond counter spiral
- Outer sheath: Based on PVC

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

Fixed installation: 12 x outer diameter



Nominal voltage

U0/U: 0.6/1.0 kV



Test voltage

4000 V



Temperature range

During installation: -5 °C to +50 °C
Fixed installation: -40 °C to +70 °C

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
NYCY				
15503003	2 x 1,5re/1,5	14.0	52	245
15503103	3 x 1,5re/1,5	14.0	66	280
15503203	4 x 1,5re/1,5	15.0	81	302
1550330	7 x 1,5re/2,5	17.0	133	450
1550332	12 x 1,5re/2,5	20.0	205	580
1550337	24 x 1,5re/6	26.0	413	1100
15503113	3 x 2,5re/2,5	15.0	104	316
15503213	4 x 2,5re/2,5	16.0	128	360
1550350	7 x 2,5re/2,5	18.0	200	530
1550355	16 x 2,5re/6	23.0	451	950
15503223	4 x 4re/4	18.0	200	485
15503233	4 x 6re/6	19.0	297	616

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

- NYY-J, NYY-O refer to page 239



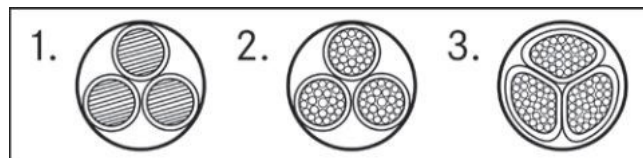
NYCWX

Fixed installation, direct burial; PVC cable with concentric, wave-like copper conductor and cross-conductive spiral



Info

- CPR: Article number choice under www.lappkabel.com/cpr
- With concentric, wave-like copper conductor



Benefits

- Concentric conductor above all as PE
- Easier connection due to the waveform of the concentric copper conductor

Application range

- Power and control cable for fixed installation in the following applications:
- For indoor and outdoor use
- Burial without additional, suitable underground protection according to VDE standard HD 603/VDE 0276-603 - Part 3-G (point 4) governing PVC cables for direct burial: normal minimum installation depth 0.6 m, but at least 0.8 m under roads
- In concrete with a temperature below the maximum cable operating temperature of +70 °C according to the VDE standard HD 603/VDE 0276-603 - Part 3-G (point 4) governing PVC cables for direct burial

Product features

- Flame-retardant according IEC 60332-1-2
- Current rating according to HD 603/VDE 0276-603, Part 3-G, Table 14 (buried at +20 °C ground temperature according to HD 603/VDE 0276-603, Part 3-G, point 5) for routing underground and Table 15 (in the air at an air temperature of +30 °C

according to HD 603/VDE 0276-603, Part 3-G, point 5) when used outdoors; but always taking into consideration corrections/reductions to the current rating that may be necessary according to VDE 0298-4, and VDE 0298-4 (also refer to the catalogue appendix T12) for installation in and on buildings

Norm references / Approvals

- HD 603/VDE 0276-603 for NYCWX with 3 or 4 cores and the relevant concentric protective conductor

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: Based on PVC
- Filling compound over the core assembly
- Concentric, wave-like, outer conductor made of bare copper strands with inductance-reducing, cross-conductive copper bond counter spiral
- Outer sheath: Based on PVC

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
- Conductor stranding**
Single or multi-wire
- Minimum bending radius**
Fixed installation: 12 x outer diameter
- Nominal voltage**
U0/U: 0.6/1.0 kV
- Test voltage**
4000 V
- Temperature range**
During installation: -5 °C to +50 °C
Fixed installation: -40 °C to +70 °C

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
NYCWX				
15505003	2 x 10re/10	19.0	312	610
15505263	3 x 10re/10	20.0	408	775
15505403	4 x 10re/10	21.0	504	897
15505273	3 x 16re/16	22.0	643	1066
15505413	4 x 16re/16	24.0	796	1250
15505283	3 x 25rm/25	26.0	1003	1584
15505423	4 x 25rm/16	28.0	1142	1822
15505303	3 x 35sm/35	26.0	1402	1710
15505433	4 x 35sm/16	29.0	1526	2146
15505163	3 x 50sm/50	30.0	2000	2368
15505443	4 x 50sm/25	33.0	2203	3031
15505453	4 x 70sm/35	38.0	3082	4056
15505143	3 x 95sm/50	38.0	3296	4256
15505323	3 x 95sm/95	39.0	3791	4600
15505463	4 x 95sm/50	43.0	4208	5364
15505153	3 x 120sm/70	41.0	4236	5314
15505473	4 x 120sm/70	46.0	5388	6748
15505353	3 x 150sm/70	45.0	5100	6344
15505483	4 x 150sm/70	51.0	6540	8159
15505173	3 x 185sm/95	50.0	6383	8054

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

- NYY-J, NYY-O refer to page 239

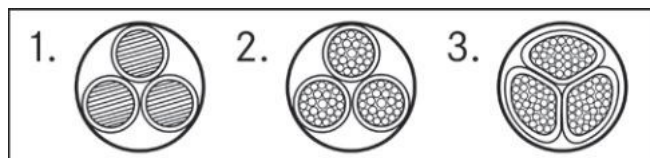
Accessories

- KNIPEX Cable shear refer to page 952
- KNIPEX Ratchet cutter refer to page 952
- V 1311-A pressing pliers, hydraulic refer to page 980
- PVX 1300 pressing pliers battery-operated refer to page 981



NAYY-J, NAYY-O

Fixed installation, direct burial; PVC cable with solid aluminium conductors



Info

- CPR: Article number choice under www.lappkabel.com/cpr
- With aluminium conductor

Application range

- Power and control cable for fixed installation in the following applications:
- For indoor and outdoor use
- Burial without additional, suitable underground protection according to VDE standard HD 603/VDE 0276-603 - Part 3-G (point 4) governing PVC cables for direct burial: normal minimum installation depth 0.6 m, but at least 0.8 m under roads
- In concrete with a temperature below the maximum cable operating temperature of +70 °C according to the VDE standard HD 603/VDE 0276-603 - Part 3-G (point 4) governing PVC cables for direct burial

Product features

- Flame-retardant according IEC 60332-1-2
- Maximum tensile strain for aluminium conductors during installation is 30 N/mm² according to HD 603/VDE 0276-603: Part 1 Appendix A.4.12 and Part 3-G point 4

- Current rating according to HD 603/VDE 0276-603, Part 3-G, Table 14 (buried at +20 °C ground temperature according to HD 603/VDE 0276-603, Part 3-G, point 5) for routing underground and Table 15 (in the air at an air temperature of +30 °C according to HD 603/VDE 0276-603, Part 3-G, point 5) when used outdoors; but always taking into consideration corrections/reductions to the current rating that may be necessary according to VDE 0298-4, and VDE 0298-4 (also refer to the catalogue appendix T12) for installation in and on buildings

Norm references / Approvals

- HD 603/VDE 0276-603

Product Make-up

- Aluminium conductor
- Abbreviations „re“, „se“:
r = round conductor form;
s = sectorial conductor form;
e = single-wire conductor;
- Core insulation: Based on PVC
- Filling compound over the core assembly
- Outer sheath: Based on PVC

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 According to VDE 0293-308 (table T9)
	Conductor stranding Single or multi-wire
	Minimum bending radius Fixed installation: 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 to +50 °C Fixed installation: -30 °C to +70 °C

Article number	Number of cores and mm ² per conductor	Copper index (kg/km)	Alu index (kg/km)	Outer diameter [mm]	Weight (kg/km)
NAYY-O					
3036547	1 x 70rm	203	203	18.0	410
3036548	1 x 95rm	276	276	20.0	570
3036549	1 x 120rm	348	348	21.0	620
3036550	1 x 150rm	435	435	23.0	735
3036551	1 x 185rm	536	536	25.0	845
3036552	1 x 240rm	696	696	28.0	1100
1552022	1 x 300rm	870	870	30.0	1379
NAYY-J					
1552010	4 x 35re	406	406	29.0	1170
1552011	4 x 50se	580	580	30.0	1305
1552012	4 x 70se	812	812	35.0	1730
1552013	4 x 95se	1102	1102	39.0	2205
1552014	4 x 120se	1392	1392	42.0	2655
1552015	4 x 150se	1740	1740	46.0	3150
1552016	4 x 185se	2146	2146	51.0	3925
1552017	4 x 240se	2784	2784	60.0	4880

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Aluminium price basis: excludes aluminium. Refer to catalogue appendix T17 for the application and definition of „Metal price basis“ and „Metal index“.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

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

Similar products

- NYY-J, NYY-O refer to page 239

Accessories

- KNIPEX Ratchet cutter refer to page 952
- V 1311-A pressing pliers, hydraulic refer to page 980
- PVX 1300 pressing pliers battery-operated refer to page 981
- STAR STRIP stripping tool refer to page 957
- Cable lugs and other connectors made of aluminium or bi-metal Al-Cu are available upon request