

NYY-J, NYY-O

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

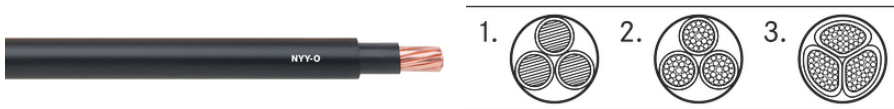
NYY-J, NYY-O, VDE, PVC-Starkstromkabel acc. HD 603 / VDE 0276-603, direct burial and building installation, fixed installation with various applications

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



Suitable for outdoor use

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

Maximum DC voltage to ground 1,8 kV according to HD 603 / DIN VDE 0276-603

Norm references / Approvals

HD 603/VDE 0276-603 (for 1 to 5 cores)

HD 627/VDE 0276-627 (as from 7 cores)

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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: Based on PVC

Filling compound over the core assembly

Outer sheath: Based on PVC

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 to +50 °C Fixed installation: -40 °C to +70 °C |

Note

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).

* Trade product, no Lapp product

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) |
|----------------|---|---------------------|----------------------|----------------|
| NYY-J | | | | |
| 1550030 | 1 x 25rm | 13 | 240 | 380 |
| 1550038 | 1 x 35rm | 14 | 336 | 447 |
| 1550032 | 1 x 50rm | 15 | 480 | 650 |
| 1550033 | 1 x 70rm | 17 | 672 | 864 |
| 1550035 | 1 x 120rm | 21.0 | 1152 | 1400 |
| 1550037 | 1 x 185rm | 25 | 1776 | 2080 |
| 15500013 | 3 x 1,5re | 12 | 43 | 223 |
| 15500023 | 4 x 1,5re | 13 | 58 | 256 |
| 15500033 | 5 x 1,5re | 14 | 72 | 293 |
| 1550004 | 7 x 1,5re | 15 | 101 | 360 |
| 1550005 | 10 x 1,5re | 18 | 144 | 520 |
| 1550006 | 12 x 1,5re | 19 | 173 | 560 |
| 1550084 | 14 x 1,5re | 20 | 202 | 620 |
| 1550007 | 16 x 1,5re | 21 | 230 | 680 |
| 1550008 | 19 x 1,5re | 22 | 274 | 760 |
| 1550009 | 24 x 1,5re | 24 | 346 | 900 |
| 1550086 | 30 x 1,5re | 26 | 432 | 1100 |
| 15500103 | 3 x 2,5re | 13 | 72 | 272 |
| 15500113 | 4 x 2,5re | 14 | 96 | 316 |
| 15500123 | 5 x 2,5re | 15 | 120 | 323 |
| 1550013 | 7 x 2,5re | 16 | 168 | 450 |
| 1550090 | 10 x 2,5re | 20 | 240 | 630 |
| 1550091 | 12 x 2,5re | 20 | 288 | 680 |
| 1550092 | 14 x 2,5re | 21 | 336 | 790 |
| 1550094 | 19 x 2,5re | 23 | 456 | 990 |
| 1550096 | 24 x 2,5re | 26 | 576 | 1300 |
| 1550097 | 30 x 2,5re | 28 | 720 | 1400 |
| 15500583 | 3 x 4re | 15 | 115 | 373 |
| 15500203 | 4 x 4re | 16 | 154 | 439 |
| 15500263 | 5 x 4re | 17 | 192 | 510 |
| 15500593 | 3 x 6re | 16 | 173 | 466 |
| 15500213 | 4 x 6re | 17 | 230 | 547 |
| 15500273 | 5 x 6re | 19 | 288 | 640 |



NYY-J, NYY-O

| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 15500603 | 3 x 10re | 18 | 288 | 629 |
| 15500223 | 4 x 10re | 19 | 384 | 743 |
| 15500823 | 5 x 10re | 21 | 480 | 899 |
| 15500613 | 3 x 16re | 20 | 461 | 850 |
| 15500233 | 4 x 16re | 22 | 614 | 1039 |
| 15500833 | 5 x 16re | 23 | 768 | 1240 |
| 15500713 | 3 x 25rm/16re | 25 | 874 | 1595 |
| 15500243 | 4 x 25rm | 27 | 960 | 1620 |
| 15500283 | 5x25rm | 29.9 | 1200 | 1920 |
| 15500153 | 3 x 35sm/16re | 27 | 1162 | 1718 |
| 15500753 | 4 x 35sm | 27 | 1344 | 1916 |
| 15500163 | 3 x 50sm/25rm | 31 | 1680 | 2383 |
| 15500253 | 4 x 50sm | 31 | 1920 | 2639 |
| 1550104 | 5 x 50rm | 36.8 | 2400 | 3325 |
| 15500173 | 3 x 70sm/35sm | 33 | 2352 | 3196 |
| 15500763 | 4 x 70sm | 35 | 2688 | 3576 |
| 1550105 | 5 x 70rm | 40.6 | 3360 | 4465 |
| 15500183 | 3 x 95sm/50sm | 38 | 3216 | 4271 |
| 15500773 | 4 x 95sm | 40 | 3648 | 4746 |
| 15500723 | 3 x 120sm/70sm | 41 | 4128 | 5281 |
| 15500783 | 4 x 120sm | 43 | 4608 | 5813 |
| 15500733 | 3 x 150sm/70sm | 46 | 4992 | 6408 |
| 15500793 | 4 x 150sm | 48 | 5760 | 7263 |
| 15500743 | 3 x 185sm/95sm | 50 | 6240 | 7909 |
| 15500803 | 4 x 185sm | 53 | 7104 | 8905 |
| 15500193 | 3 x 240sm/120sm | 57 | 8064 | 10162 |
| 15500813 | 4 x 240sm | 60 | 9216 | 11430 |
| NYO | | | | |
| 1550205 | 1 x 10re | 10 | 96 | 176 |
| 1550206 | 1 x 16re | 11 | 154 | 239 |
| 1550207 | 1 x 25rm | 13 | 240 | 380 |
| 1550208 | 1 x 35rm | 14 | 336 | 447 |
| 1550209 | 1 x 50rm | 15 | 480 | 650 |
| 1550210 | 1 x 70rm | 17 | 672 | 864 |

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| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 1550211 | 1 x 95rm | 19 | 912 | 1132 |
| 1550212 | 1 x 120rm | 21 | 1152 | 1405 |
| 1550213 | 1 x 150rm | 22 | 1440 | 1710 |
| 1550214 | 1 x 185rm | 25 | 1776 | 2080 |
| 1550215 | 1 x 240rm | 27 | 2304 | 2669 |
| 1550216 | 1 x 300rm | 30 | 2880 | 3305 |
| 1550218 | 1 x 500rm | 39 | 4800 | 5400 |
| 15502003 | 2 x 1,5re | 11 | 29 | 210 |
| 15502193 | 2 x 2,5re | 12 | 48 | 250 |
| 15502203 | 2 x 4re | 14 | 77 | 360 |
| 15502213 | 2 x 6re | 15 | 115 | 400 |
| 15502223 | 2 x 10re | 17 | 192 | 500 |
| 15502533 | 4 x 16re | 22 | 614 | 1039 |
| 15502543 | 4 x 25rm | 27 | 960 | 1620 |
| 15502563 | 4 x 50sm | 31 | 1920 | 2639 |
| 15502573 | 4 x 70sm | 35 | 2688 | 3576 |
| 15502583 | 4 x 95sm | 40 | 3648 | 4746 |
| 15502503 | 4 x 4re | - | 154 | - |

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