

NYJ, NYO

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

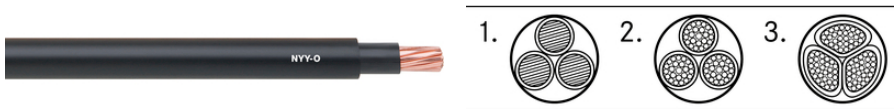
NYJ, NYO, VDE, PVC-Starkstromkabel acc. HD 603 / VDE 0276-603, direct burial and building installation, fixed installation with various applications

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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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

NYY-J, NYY-O

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 \leq 30 kg or \leq 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.

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 |

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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 |
| 15500173 | 3 x 70sm/35sm | 33 | 2352 | 3196 |
| 15500763 | 4 x 70sm | 35 | 2688 | 3576 |
| 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 |
| NYY-O | | | | |
| 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 |
| 1550211 | 1 x 95rm | 19 | 912 | 1132 |
| 1550212 | 1 x 120rm | 21 | 1152 | 1405 |

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| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---------------------------------------------------|---------------------|----------------------|----------------|
| 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 |

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