

## NYCWY

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

NYCWY, <VDE>, PVC power cable acc. HD603 / VDE 0276-603, direct burial and fixed installation, building installation with concentric, wave-like copper conductor

### Info

CPR: Article number choice under [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)

With concentric, wave-like copper conductor



Suitable for outdoor use



UV-resistant

### 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

Last Update (23.04.2024)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

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

PN 0456 / 02\_03.16

## NYCWY

installation in and on buildings  
UV resistant according to EN 50525-1

### Norm references / Approvals

HD 603/VDE 0276-603 for NYCWY 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:    | ETIM 5.0 Class-ID: EC000057<br>ETIM 5.0 Class-Description: Low voltage power cable |
| Classification ETIM 6:    | ETIM 6.0 Class-ID: EC000057<br>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        |
| 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<br>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](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).

\* 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.

## NYCWX

| Article number | Number of cores and mm <sup>2</sup> per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 15505003       | 2 x 10re/10                                       | 19                  | 312                  | 610            |
| 15505263       | 3 x 10re/10                                       | 20                  | 408                  | 775            |
| 15505403       | 4 x 10re/10                                       | 21                  | 504                  | 897            |
| 15505273       | 3 x 16re/16                                       | 22                  | 643                  | 1066           |
| 15505413       | 4 x 16re/16                                       | 24                  | 796                  | 1250           |
| 15505283       | 3 x 25rm/25                                       | 26                  | 1003                 | 1584           |
| 15505423       | 4 x 25rm/16                                       | 28                  | 1142                 | 1822           |
| 15505303       | 3 x 35sm/35                                       | 26                  | 1402                 | 1710           |
| 15505433       | 4 x 35sm/16                                       | 29                  | 1526                 | 2146           |
| 15505163       | 3 x 50sm/50                                       | 30                  | 2000                 | 2368           |
| 15505443       | 4 x 50sm/25                                       | 33                  | 2203                 | 3031           |
| 15505453       | 4 x 70sm/35                                       | 38                  | 3082                 | 4056           |
| 15505143       | 3 x 95sm/50                                       | 38                  | 3296                 | 4256           |
| 15505463       | 4 x 95sm/50                                       | 43                  | 4208                 | 5364           |
| 15505153       | 3 x 120sm/70                                      | 41                  | 4236                 | 5314           |
| 15505473       | 4 x 120sm/70                                      | 46                  | 5388                 | 6748           |
| 15505353       | 3 x 150sm/70                                      | 45                  | 5100                 | 6344           |
| 15505483       | 4 x 150sm/70                                      | 51                  | 6540                 | 8159           |
| 15505173       | 3 x 185sm/95                                      | 50                  | 6383                 | 8054           |