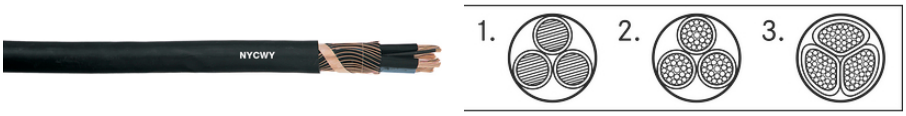
NYCWY

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
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

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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 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
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

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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NYCWY

PRODUCT INFORMATION

Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
15503293	4 x 240sm/120	62.4	10546	12409
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
15505323	3 x 95sm/95	39	3791	4600
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
15505493	4 x 185 sm/95	58.0	8159	9850

Last Update (09.10.2025)
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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