

NAYY-J, NAYY-O

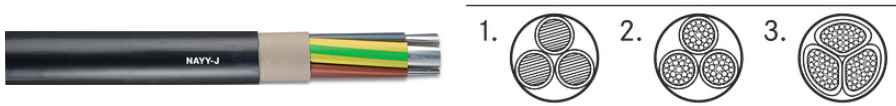
Fixed installation, direct burial; PVC cable with solid aluminium conductors

NAYY-J, VDE, PVC power cable acc. HD603 / VDE 0276-603, cables with aluminium conductor for direct burial, building installation and fixed installation

Info

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

With aluminium conductor



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

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

Last Update (21.02.2024)

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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

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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:

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:

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

Note

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

* 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	Alu index (kg/km)	Outer diameter [mm]	Weight (kg/km)
NAYY-O				
3036547	1 x 70rm	203	18.0	410
3036548	1 x 95rm	276	20.0	570
3036549	1 x 120rm	348	21.0	620
3036550	1 x 150rm	435	23.0	735
3036551	1 x 185rm	536	25.0	845
3036552	1 x 240rm	696	28.0	1100
1552022	1 x 300rm	870	30.0	1379
NAYY-J				
1552010	4 x 35re	406	29	1170
1552011	4 x 50se	580	30	1305
1552012	4 x 70se	812	35	1730
1552013	4 x 95se	1102	39	2205
1552014	4 x 120se	1392	42	2655
1552015	4 x 150se	1740	46	3150
1552016	4 x 185se	2146	51	3925
1552017	4 x 240se	2784	60	4880