

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

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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

NAYY-J, NAYY-O

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

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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
NAYY-J				
1552010	4 x 35re	406	29	1170
1552011	4 x 50se	580	30	1305
1552012	4 x 70se	812	35	1730
1552015	4 x 150se	1740	46	3150
1552016	4 x 185se	2146	51	3925
1552017	4 x 240se	2784	60	4880

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