

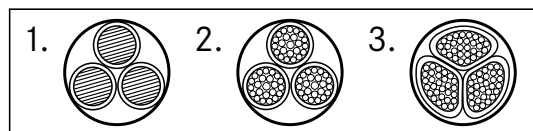
## NAYY-J

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



### Info

- With solid aluminium 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
- In water: no longer than 2 weeks at a time, maximum submersion depth 10 metres, only in static water/bodies of water without shipping traffic

- 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 T 12) for installation in and on buildings

### Norm references / Approvals

- HD 603/VDE 0276-603

### Product Make-up

- Aluminium conductor
- Abbreviations “re”, “se”:  
r = round conductor form;  
s = sectorial conductor form;  
e = single-wire conductor;  
Picture 1. = re  
Picture 2. = rm  
Picture 3. = sm
- Core insulation: Based on PVC
- Filling compound over the core assembly
- Outer sheath: Based on PVC

### Product features

- Flame-retardant according IEC 60332-1-2
- Maximum tensile strain for aluminium conductors during installation is 30 N/mm<sup>2</sup> according to HD 603/VDE 0276-603: Part 1 Appendix A.4.12 and Part 3-G point 4

### Technical data

- Classification**  
ETIM 5.0 Class-ID: EC000057  
ETIM 5.0 Class-Description:  
Low voltage power cable
- Core identification code**  
According to VDE 0293-308 (table T9)
- Conductor stranding**  
Single-wire
- Minimum bending radius**  
Fixed installation: 12 x outer diameter
- Nominal voltage**  
U<sub>0</sub>/U: 0.6/1.0 kV
- Test voltage**  
4000 V
- Protective conductor**  
J = with GN-YE protective conductor
- Temperature range**  
During installation: -5 °C to +50 °C  
Fixed installation: -30 °C to +70 °C

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Alu index (kg/km)	Weight (kg/km)
<b>NAYY-J</b>				
1552010	4 x 35re	29.0	406	1170
1552011	4 x 50se	30.0	580	1305
1552012	4 x 70se	35.0	812	1730
1552013	4 x 95se	39.0	1102	2205
1552014	4 x 120se	42.0	1392	2655
1552015	4 x 150se	46.0	1740	3150
1552016	4 x 185se	51.0	2146	3925
1552017	4 x 240se	60.0	2784	4880

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 T 17 for the application and definition of “Metal price basis” and “Metal index”.

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Photographs are not to scale and do not represent detailed images of the respective products.

### Similar products

- NYY-J, NYY-O refer to page 223

### Accessories

- V 1311-A pressing pliers, hydraulic refer to page 1030
- STAR STRIP stripping tool refer to page 1000
- PVL 1300 pressing pliers battery-operated refer to page 1031
- Cable lugs and other connectors made of aluminium or bi-metal Al-Cu are available upon request