

# NAY2Y

Power cable, 0,6/1 kV, with PE outer sheath



## Technical data

- Power distribution cables acc. to DIN VDE 0276-603 / HD 603 S1 / IEC 60502
- **Temperature range**  
flexing -5°C to +50°C  
fixed installation -40°C to +70°C
- Permissible conductor **operating temperature** +70°C
- Permissible **short circuit temperature** (short circuit duration max. 5 s) +160°C
- **Nominal voltage**  
U<sub>0</sub>/U 0,6/1 kV
- **Test voltage**  
4 kV
- **Minimum bending radius**  
12x outer Ø

## Cable structure

- Aluminium conductor, single wire acc. to DIN VDE 0295 cl.1 / IEC 60228 cl.1
- Core insulation of PVC
- Core identification GN-YE, BN, BK, GY
- Cores concentrically stranded
- Common core sheath
- Outer sheath of PE
- Sheath colour: black

## Properties

- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

## Highest permissible voltage

- Direct current systems
  - Conductor/conductor 1,8 kV
  - Conductor/earth 0,9 kV
- Alternating current systems
  - Single phase systems both outer conductors insulated 1,4 kV
  - Single phase systems one outer conductor earthed 0,7 kV
- Three phase systems 1,2 kV

## Note

- re = round conductor, single wire
- se = sectional conductor, single wire
- The conductor is metrically constructed (mm<sup>2</sup>). The AWG designation is approximate and purely informative.

## Application

Power cables for energy supply are installed in open air, in underground, in water, in concrete, indoors, in cable ducts, power stations, for industry and distribution boards as well as in subscriber networks. Usable in extreme working conditions due to the robust PE outer sheath.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No.cores x cross-sec. mm <sup>2</sup>	Outer Ø app. mm	Alu weight kg / km	Weight app. kg / km	AWG-No.
31129	4 x 25 re	26,0	290,0	970,0	4
31139	4 x 35 re	28,0	406,0	1145,0	2
31149	4 x 50 se	30,0	580,0	1184,0	1
31159	4 x 70 se	33,0	812,0	1578,0	2/0
31169	4 x 95 se	38,0	1102,0	2186,0	3/0
31179	4 x 120 se	42,0	1382,0	2501,0	4/0
31189	4 x 150 se	45,0	1740,0	3180,0	300 kcmil
31199	4 x 185 se	51,0	2146,0	3807,0	350 kcmil
31209	4 x 240 se	55,0	2784,0	4996,0	500 kcmil

Dimensions and specifications may be changed without prior notice. (RQ01)