

LOW VOLTAGE CABLES 0,6/1 kV

# (N)AYY

PVC/PVC aluminium energy cables



## TECHNICAL DATA



**Standard**  
adapted to DIN VDE 0276-603 (HD 603)



**Certificate**  
VDE Germany



**Test Voltage**  
core/core 4 kV / 50 Hz



**Rated Voltage**  
0,6/1 kV



**Bending radius (min.)**  
12 x Ø of cable



**Fire properties**  
EN 60332-1-2: self-extinguishing  
OPR: Eca



**Core identification**  
HD 308 S2



**Temperature range**  
Laying temperature: min. -5°C  
Operating temperature: -50°C up to 70°C  
Conductor temperature: max. 70°C  
Short circuit temperature: max. 140°C

## DESIGN



1

Aluminium conductor, sector-shaped stranded (SM)

2

Core insulation (PVC)

3

Inner covering (EPDM)

4

Sheath (PVC black, UV-resistant)

| Number of cores x nominal cross-section (mm <sup>2</sup> ) | Max. conductor resistance (Ω/km) | Current rating in the air (A) | Current rating in the earth (A) | Outer diameter appr. (mm) | Total weight appr. (kg/km) |
|------------------------------------------------------------|----------------------------------|-------------------------------|---------------------------------|---------------------------|----------------------------|
| 5 x 50 SM                                                  | 0.641                            | 82                            | 99                              | 33.5                      | 1767                       |
| 5 x 70 SM                                                  | 0.443                            | 107                           | 126                             | 38.6                      | 2268                       |
| 5 x 95 SM                                                  | 0.32                             | 131                           | 151                             | 43.1                      | 2972                       |
| 5 x 120 SM                                                 | 0.253                            | 151                           | 171                             | 48.2                      | 3542                       |
| 5 x 150 SM                                                 | 0.206                            | 173                           | 193                             | 52.9                      | 4259                       |
| 5 x 185 SM                                                 | 0.164                            | 197                           | 216                             | 59.1                      | 5225                       |
| 5 x 240 SM                                                 | 0.125                            | 235                           | 253                             | 69.6                      | 6703                       |

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