



## (N)YY

### PVC/PVC copper energy cables

COPPER 0,6/1 kV

The cables are designed for distribution of electrical energy in fixed installation in the ground, cable ducts and in the outdoor environment.



#### TECHNICAL DATA



**Standard**  
adapted to DIN VDE 0276-603  
(HD603)



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



**Core identification**  
HD 308 S2



**Certificate**  
VDE Germany



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



**Temperature range**  
Laying temperature: min. -5°C  
Operating temperature: -50°C up to 70°C  
Conductor temperature: max. 70°C  
Short circuit temperature: max. 160°C



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



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

#### DESIGN



Copper conductor, sector-shaped stranded (SM)



Core insulation (PVC)



Inner covering (extruded rubber)



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) | Outer diameter appr. (mm) | Total weight appr. (kg/km) |
|------------------------------------------------------------|----------------------------------|-------------------------------|---------------------------|----------------------------|
| 5 x 50 SM                                                  | 0.387                            | 157                           | 34.0                      | 3061                       |
| 5 x 70 SM                                                  | 0.268                            | 199                           | 39.0                      | 4168                       |
| 5 x 95 SM                                                  | 0.193                            | 246                           | 44.0                      | 5626                       |
| 5 x 120 SM                                                 | 0.153                            | 285                           | 49.0                      | 6916                       |
| 5 x 150 SM                                                 | 0.124                            | 326                           | 54.0                      | 8455                       |
| 5 x 185 SM                                                 | 0.099                            | 374                           | 60.0                      | 10472                      |
| 5 x 240 SM                                                 | 0.075                            | 445                           | 71.0                      | 13617                      |

## CONTACT PERSON

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