



# V-VMvKhsas

PVC/PVC/PVC aluminium energy cables, screened

LOW VOLTAGE CABLES 0,6/1 kV



## TECHNICAL DATA



**Standard**  
NEN HD 603-3I



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



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



**Bending radius (min.)**  
installation/pulling: 12 x  $\phi$  of cable  
fixed/final installation: 10 x  $\phi$  of cable  
transport: 15 x  $\phi$  of cable



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



**Core identification**  
VDEN: red, yellow, blue, yellow/blue



**Temperature range**  
Operating temperature: -15°C up to 70°C  
Conductor temperature: max. 70°C  
Short circuit temperature: max. 200°C

## DESIGN



- 1 Aluminium conductor, sector-shaped solid (Alsvm)
- 2 Core insulation (PVC)
- 3 Cores stranded together in lay-lengths
- 4 Inner covering (EPDM and PVC, black)
- 5 Inner covering (EPDM)
- 6 Concentric screen (bare copper wires applied with changing direction of lay) and counter helix (copper tape)
- 7 Sheath (PVC grey RAL 7001)

Number of cores x nominal cross-section + number of auxiliary conductor x nominal cross-section of auxiliary conductor / concentric conductor (mm <sup>2</sup> )	Average insulation thickness of main cores (mm)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	DC resistance main core R <sub>dc</sub> at 20 °C	Current rating in the earth acc. NEN 1010	Current rating in the air (A)
4 x 50 Alsvm + 4 x 2.5 sas / 25	1.4	36.8	2170	0.641	172	121
4 x 95 Alsvm + 4 x 6 sas / 35	1.6	45.7	3471	0.32	255	189
4 x 150 Alsvm + 4 x 6 sas / 50	1.8	52.9	4840	0.206	325	246
4 x 240 Alsvm + 4 x 6 sas / 70	2.2	63.6	7091	0.125	427	339



#### CONTACT PERSON

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