

POWER CABLES AND OVERHEAD LINES 0.6/1 kV

V-VMvKhsas

PVC/PVC/PVC aluminium energy cables,
screened



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 ϕ of cable
fixed/final installation: 10 x ϕ of cable
transport: 15 x ϕ 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 Inner sheath (extruded covering and PVC, black)
- 4 Inner covering (extruded)
- 5 Concentric screen (bare copper wires applied with changing direction of lay) and counter helix (copper tape)
- 6 Outer sheath (PVC grey)

Number of cores x nominal cross-section + number of auxiliary conductor x nominal cross-section of auxiliary conductor / concentric conductor (mm ²)	Average insulation thickness of main cores (mm)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	DC resistance main core R _{dc} 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	53.1	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

Vojtěch Cuřin
Product Supervisor
+420 731 226 023
vojtech.curin@prakab.com

