We Make Modern Life Possible.

POWER CABLES AND OVERHEAD LINES 0.6/1 KV

V-VMvKhsas

PVC/PVC/PVC aluminium energy cables, screened

A power and control cable for general use in low voltage installations up to 1 kV. Suitable for applications indicated in NEN 1010. Suited for direct burial (also in wet conditions but not directly in water) and above ground, as power cable for mains and distribution boards.



TECHNICAL DATA

Standard
NEN HD 603-3I

Test Voltage
core/core 4 kV / 50 Hz

Rated Voltage
0,6/1 kV

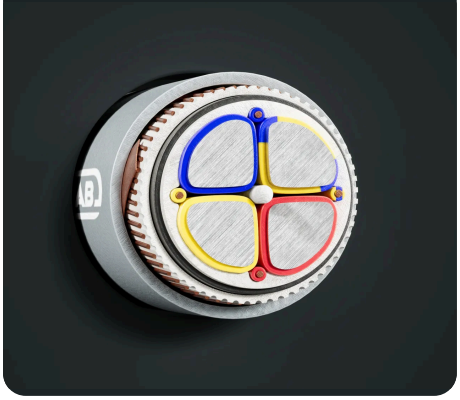
Bending radius (min.)
installation/pulling: 12 x Ø of cable
fixed/final instalation: 10 x Ø of cable
transport: 15 x Ø of cable

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 (mm²)	Average insulation thickness of main cores (mm)	Outer diameter appr. (mm)	Total weight appr. (kg/km)	DC resistance main core Rdc 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	38.8	2170	0.641	172	121
4 x 95 Alsvm + 4 x 6 sas / 35	1.6	47.7	3471	0.32	255	189
4 x 150 Alsvm + 4 x 6 sas / 50	1.8	54.9	4840	0.206	325	246
4 x 240 Alsvm + 4 x 6 sas / 70	2.2	66.6	7091	0.125	427	339

Technical changes reserved. All figures are therefore without guarantee.
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