We Make Modern Life Possible.

POWER CABLES AND OVERHEAD LINES 0.6/1 KV

V-VMvKsas

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 (EPDM and PVC, black)
4. Inner covering (EPDM)
5. Concentric screen (bare copper wires applied with changing direction of lay) and counter helix (copper tape)
6. Outer sheath (PVC grey RAL 7001)

Number of cores x nominal cross-section / cross-section of screen (mm²)	Average insulation thickness of main cores (mm)	DC resistance main core Rdc at 20 °C	Current rating in the earth acc. NEN 1010	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
4 x 95 Alsvm / 35	1.6	0.32	255	189	45.9	3230
4 x 150 Alsvm / 50	1.8	0.206	325	246	56.0	4590
4 x 240 Alsvm / 70	2.2	0.125	427	339	66.4	6840

Technical changes reserved. All figures are therefore without guarantee.
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