



V-VMvKsas

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 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 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 / cross-section of screen (mm ²)	Average insulation thickness of main cores (mm)	DC resistance main core R _{dc} 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	44.9	3230
4 x 150 Alsvm / 50	1.8	0.206	325	246	52	4590
4 x 240 Alsvm / 70	2.2	0.125	427	339	63.4	6840

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