

LOW VOLTAGE CABLES 0,6/1 kV

(N)AYY

PVC/PVC aluminium energy cables



TECHNICAL DATA



Standard
adapted to DIN VDE 0276-603 (HD 603)



Certificate
VDE Germany



Test Voltage
core/core 4 kV / 50 Hz



Rated Voltage
0,6/1 kV



Bending radius (min.)
12 x Ø of cable



Fire properties
EN 60332-1-2: self-extinguishing
OPR: Eca



Core identification
HD 308 S2



Temperature range
Laying temperature: min. -5°C
Operating temperature: -50°C up to 70°C
Conductor temperature: max. 70°C
Short circuit temperature: max. 140°C

DESIGN



1

Aluminium conductor, sector-shaped stranded (SM)

2

Core insulation (PVC)

3

Inner covering (EPDM)

4

Sheath (PVC black, UV-resistant)

Number of cores x nominal cross-section (mm ²)	Max. conductor resistance (Ω/km)	Current rating in the air (A)	Current rating in the earth (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
5 x 50 SM	0.641	82	99	33.5	1767
5 x 70 SM	0.443	107	126	38.6	2268
5 x 95 SM	0.32	131	151	43.1	2972
5 x 120 SM	0.253	151	171	48.2	3542
5 x 150 SM	0.206	173	193	52.9	4259
5 x 185 SM	0.164	197	216	59.1	5225
5 x 240 SM	0.125	235	253	69.6	6703

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