

DATA-SHEET

NAYY

PVC/PVC aluminium energy cables



DESIGN

1. Aluminium conductor, round solid (RE), sector-shaped solid (SE), round stranded (RM), resp. sector-shaped stranded (SM)
2. Core insulation (PVC)
3. Inner covering (EPDM)
4. Sheath (PVC black, UV-resistant)

APPLICATION

The cables are designed for distribution of electrical energy in fixed installation in the ground, cable ducts and in the external environment.

TECHNICAL DATA



Standard

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 (singlecore)

15 x Ø of cable (multicore)



Fire properties

EN 60332-1-2: self-extinguishing

CPR: 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

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PARAMETERS

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 (mm)	Total weight (kg/km)
1 x 25 RM	1.2	110	160	12.6	210
4 x 25 RE	1.2	82	102	25.5	990
4 x 25 RM	1.2	82	102	26.7	1040
1 x 35 RM	0.868	135	193	13.6	260
4 x 35 RE	0.868	100	123	27.8	1130
4 x 35 RM	0.868	100	123	29.3	1180
1 x 50 RM	0.641	166	230	15.3	335
4 x 50 SE	0.641	119	144	31.9	1300
4 x 50 SM	0.641	119	144	34.4	1360
1 x 70 RM	0.443	210	283	16.9	425
4 x 70 SE	0.443	152	179	36.1	1740
4 x 70 SM	0.443	152	179	38	1820
1 x 95 RM	0.32	259	340	19.1	540
4 x 95 SE	0.32	186	215	40.3	2240
4 x 95 SM	0.32	186	215	43	2340
1 x 120 RM	0.253	302	389	20.6	610
4 x 120 SE	0.253	216	245	43.5	2660
4 x 120 SM	0.253	216	245	46.6	2780
1 x 150 RM	0.206	345	436	22.3	745
4 x 150 SE	0.206	246	275	47.7	3120
4 x 150 SM	0.206	246	275	50.4	3260
1 x 185 RM	0.164	401	496	24.6	925
4 x 185 SE	0.164	285	313	52.7	4170
4 x 185 SM	0.164	285	313	54	4230
1 x 240 RM	0.125	479	578	27.5	1210
4 x 240 SE	0.125	338	364	58.2	5150
4 x 240 SM	0.125	338	364	60.3	5380
1 x 300 RM	0.1	555	656	30.6	1440
1 x 400 RM	0.0778	653	756	33.2	1850
1 x 500 RM	0.0605	772	873	37.7	2190
1 x 630 RM	0.0469	915	1011	42.9	2700

Technical changes reserved. All figures are therefore without guarantee.

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