



# NAYCWY

## PVC/PVC aluminium energy cables, screened

LOW VOLTAGE CABLES 0,6/1 KV

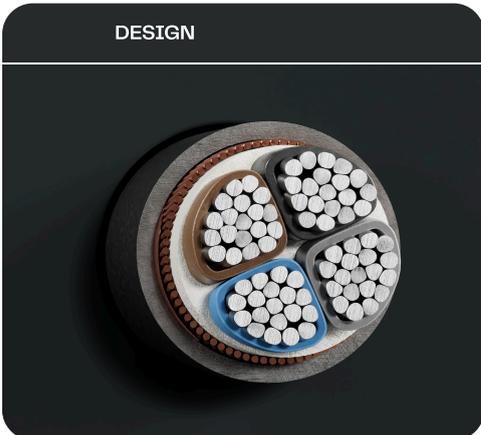
Power distribution cables in power stations, industrial installations and switchgears, as well as in local mains. For fixed installation underground, in interior premises, cable ducts, in the open air and in water – as permitted by the local building regulations. The concentric ceander conductor can be used as PE or PEN conductor and needs not be cut when assembling branch joints.



### TECHNICAL DATA

- |   |  |   |
|---|--|---|
| <p><b>Standard</b><br/>DIN VDE 0276–603 (HD 603)</p>  | <p><b>Rated Voltage</b><br/>0.6/1 kV</p>   | <p><b>Core identification</b><br/>HD 308 S2</p>   |
| <p><b>Certificate</b><br/>VDE Germany</p>             | <p><b>Bending radius (min.)</b><br/>12 x <math>\varnothing</math> of cable (multicore)<br/>15 x <math>\varnothing</math> of cable (singlecore)</p> | <p><b>Temperature range</b><br/>Laying temperature: min. -5°C<br/>Operating temperature: -50°C up to 70°C<br/>Conductor temperature: max. 70°C<br/>Short circuit temperature: max. 70°C</p> |
| <p><b>Test Voltage</b><br/>core/core 4 kV / 50 Hz</p> | <p><b>Fire properties</b><br/>EN 60332-1-2: self-extinguishing<br/>CPR: Eca</p>  |   |

### 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 Concentric screen (bare copper wires applied with changing direction of lay) and counter helix (copper tape)
- 5 Sheath (PVC black, UV-resistant)

Number of cores x nominal cross-section / cross-section of screen (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
3 x 25 RE / 25	1.2	103	91	26.7	1034
4 x 25 RE / 16	1.2	103	91	28.8	1120
3 x 35 RE / 35	0.868	123	112	28.8	1255
4 x 35 RE / 16	0.868	123	112	31.3	1340
1 x 50 RM / 16	0.641	230	166	20.3	569
3 x 50 SM / 25	0.641	145	137	30.8	1280
3 x 50 SM / 50	0.641	145	137	32.1	1446
4 x 50 SM / 25	0.641	145	137	34.5	1620
4 x 50 SE / 25	0.641	145	137	32.8	1555
4 x 50 RE / 25	0.641	145	137	35.7	1810
3 x 70 SM / 35	0.443	180	173	34.1	1647
3 x 70 SM / 70	0.443	180	173	35.2	1842
4 x 70 SM / 35	0.443	180	173	37.8	2071
4 x 70 SE / 35	0.443	180	173	36.4	1983
3 x 95 SM / 50	0.32	223	212	39.4	2200
3 x 95 SM / 95	0.32	223	212	39.4	2444
4 x 95 SM / 50	0.32	223	212	44.2	2707
4 x 95 SE / 50	0.32	223	212	42.0	2631
1 x 120 RM / 35	0.253	389	302	25.4	1006
3 x 120 SM / 50	0.253	252	247	42.0	2508
3 x 120 SM / 120	0.253	252	247	42.3	2938
3 x 120 SM / 70	0.253	252	247	42.0	2614
4 x 120 SM / 70	0.253	252	247	48.1	3338
4 x 120 SE / 70	0.253	252	247	45.1	3141
1 x 150 RM / 35	0.206	436	345	27.2	1140
3 x 150 SM / 70	0.206	280	280	46.1	3075
3 x 150 SM / 150	0.206	280	280	46.9	3587
4 x 150 SM / 70	0.206	280	280	53.0	3908
4 x 150 SE / 70	0.206	280	280	49.5	3726
1 x 185 RM / 35	0.164	496	401	29.3	1314
3 x 185 SM / 70	0.164	314	321	50.5	3690
3 x 185 SM / 185	0.164	314	321	51.6	4447
3 x 185 SM / 95	0.164	314	321	50.5	3844
4 x 185 SE / 95	0.164	314	321	54.8	4755
4 x 185 SM / 95	0.164	314	321	58.9	4921
1 x 240 RM / 35	0.125	578	479	32.3	1578
3 x 240 SM / 70	0.125	358	374	55.8	4497
3 x 240 SM / 120	0.125	358	374	55.8	4792
3 x 240 SM / 240	0.125	358	374	57.3	5615
4 x 240 SM / 120	0.125	358	374	64.8	6122
4 x 240 SE / 120	0.125	358	374	60.3	5856

**CONTACT PERSON**

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