We Make Modern Life Possible.

POWER CABLES AND OVERHEAD LINES 0.6/1 KV

NAYCWY

PVC/PVC aluminium energy cables, screened

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

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 (multicore)
15 x Ø of cable (singlecore)

Fire properties
EN 60332-1-2: Self-extinguishing
CPR Classification: 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. 160°C

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 (mm²)	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)
4 x 16 RE / 16	1.91	81	61	25.1	855
3 x 25 RE / 25	1.2	103	91	26.7	1034
4 x 25 RE / 16	1.2	103	91	28.8	1120
4 x 25 RM / 16	1.2	103	91	29.9	1190
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
3 x 70 SE / 70	0.443	180	173	33.7	1820
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
3 x 150 SE / 150	0.206	280	280	44.5	3510
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 SE / 120	0.125	358	374	52.9	4670
3 x 240 SM / 240	0.125	358	374	57.3	5615

Number of cores x nominal cross-section / cross-section of screen (mm²)	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 240 SE / 240	0.125	358	374	54.4	5495
4 x 240 SM / 120	0.125	358	374	64.8	6122
4 x 240 SE / 120	0.125	358	374	60.3	5856

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

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