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POWER CABLES AND OVERHEAD LINES 0.6/1 kV

NAY2Y

PVC/PE aluminium energy cable



TECHNICAL DATA



Standard
DIN VDE 0276-603



Rated Voltage
0.6/1 kV (U₀/U)



Test Voltage
4 kV / 50 Hz



Bending radius (min.)
12 x $\varnothing$ of cable (singlecore)
15 x $\varnothing$ of cable (multicore)



Core identification
HD 308 S2



Fire properties
EN 60332-1-2: Oheň retardující



Certificate
VDE Germany



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

Short circuit temperature: max. 70°C

DESIGN



Aluminium conductor, round solid (RE), sector-shaped solid (SE), round stranded (RM), resp. sector-shaped stranded (SM)



Core insulation (PVC)



Inner covering (EPDM)



Sheath (HDPE black, UV-resistant)

Number of cores x nominal cross-section (mm ²)	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)	Standard lengths/p-acking (m)
1 x 35 RM	0.868	193	135	13.7	240	500 D, 1000 D
1 x 50 RM	0.641	230	166	15.5	315	500 D, 1000 D
1 x 70 RM	0.443	283	210	17.5	405	500 D, 1000 D
1 x 95 RM	0.32	340	259	19.6	520	500 D, 1000 D
1 x 120 RM	0.253	253	239	21.1	615	500 D, 1000 D
1 x 185 RM	0.164	496	401	25.8	904	500 D, 1000 D
1 x 240 RM	0.125	375	378	28.2	1115	500 D, 1000 D
1 x 300 RM	0.1	656	555	32.8	1474	100 D
1 x 400 RM	0.078	756	653	37.2	1870	100 D
1 x 500 RM	0.061	873	772	40.5	2286	100 D
1 x 630 RM	0.047	1011	915	46.2	2853	100 D
4 x 25 RE	1.2	102	81	25.5	990	1000 D
4 x 25 RM	1.2	102	81	26.7	1040	1000 D
4 x 35 RE	0.868	122	99	27.8	1130	1000 D
4 x 50 SE	0.641	144	119	31.9	1300	500 D, 1000 D
4 x 50 SM	0.641	144	119	29.6	1060	500 D, 1000 D
4 x 70 SE	0.443	179	152	36.1	1740	1000 D
4 x 95 SE	0.32	215	186	40.3	2240	1000 D
4 x 120 SE	0.253	245	216	43.0	2400	500 D, 1000 D
4 x 120 SM	0.253	245	216	41.3	2258	500 D, 1000 D
4 x 150 SE	0.206	275	246	47.7	3120	500 D, 1000 D
4 x 150 SM	0.206	275	246	45.1	2745	500 D, 1000 D
4 x 185 SE	0.164	313	285	52.7	4170	500 D
4 x 240 SE	0.125	364	338	57.9	5000	500 D
4 x 240 SM	0.125	364	338	55.0	5080	500 D
4 x 300 SM	0.1	419	400	61.0	5170	500 D
5 x 50 RM	0.641	144	119	36.2	1720	500 D, 1000 D
5 x 70 RM	0.443	179	152	44.0	2240	500 D, 1000 D
5 x 95 RM	0.32	215	186	47.0	3060	1000 D
5 x 95 SM	0.32	215	186	43.0	2550	1000 D
5 x 120 RM	0.253	245	216	53.0	3580	1000 D
5 x 150 RM	0.206	275	246	56.0	4400	500 D, 1000 D
5 x 150 SM	0.206	275	246	53.0	3679	500 D, 1000 D
5 x 185 SM	0.164	313	285	57.0	4400	500 D

CONTACT PERSON

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