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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 (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)



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



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)
4 x 25 RE	1.2	102	82	26.3	884
4 x 35 RE	0.868	123	100	28.6	1099
1 x 50 RM	0.641	230	166	18.1	389
4 x 50 SE	0.641	144	119	29.9	1210
1 x 70 RM	0.443	283	210	19.6	476
4 x 70 SE	0.443	179	152	33.3	1545
4 x 70 SM	0.443	179	152	34.7	1619
1 x 95 RM	0.32	340	259	21.8	603
4 x 95 SE	0.32	215	186	38.0	2052
1 x 120 RM	0.253	389	302	23.1	697
4 x 120 SE	0.253	245	216	41.1	2434
1 x 150 RM	0.206	436	345	25.0	824
4 x 150 SE	0.206	275	246	45.0	2923
4 x 150 SM	0.206	275	246	48.5	3074
1 x 185 RM	0.164	496	401	27.1	986
4 x 185 SE	0.164	313	285	49.6	3608
4 x 185 SM	0.164	313	285	53.9	3782
1 x 240 RM	0.125	578	479	29.9	1221
4 x 240 SE	0.125	364	338	59.8	4743
4 x 240 SM	0.125	364	338	55.2	4795
1 x 300 RM	0.1	656	555	32.8	1474
1 x 400 RM	0.078	756	653	37.2	1870
1 x 500 RM	0.061	873	772	40.5	2286
1 x 630 RM	0.047	1011	915	46.2	2853

CONTACT PERSON

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