We Make Modern Life Possible.

POWER CABLES AND OVERHEAD LINES 0.6/1 KV

NAY2Y

PVC/PE aluminium energy cable

Power distribution cables in power stations, industrial installations and switch gears, as well as in local mains. For fixed installation under ground, in interior premises, cable ducts, in the open air and in water – as permitted by the local building regulations – under severe mechanical stressing during installation and operation.



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



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 (HDPE black, UV-resistant)

Number of cores x nominal cross-section (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 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

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

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