PRAKAB

We Make Modern Life Possible.

POWER CABLES AND OVERHEAD LINES 0.6/1 KV

E-AYY

PVC/PVC aluminium energy cables

Power distribution cable for power stations, industrial facilities and switching stations as well as for local power networks. For fixed installation indoors, in cable ducts, outdoors and in water, according to the applicable erection standards, if no risk of any mechanical damage is to be expected.



TECHNICAL DATA

Standard
ÖVE/ONORM E 8200-603 (HD 603)

Certificate
EZÚ Czech Republic
ÖVE Austria

Test Voltage
core/core 4 kV / 50 Hz

Rated Voltage
0,6/1 kV

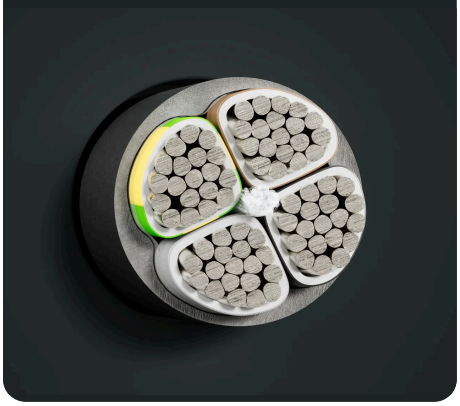
Bending radius (min.)
12 x Ø of cable (multicore)
15 x Ø of cable (singlecore)

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. 140°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 or plastic tape)
4. Sheath (PVC 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)
1 x 25 RM	1.2	160	110	12.3	200
3 x 25 RM	1.2	102	81	22.7	715
4 x 25 RM	1.2	102	81	25.2	863
5 x 25 RM	1.2	102	81	27.6	1022
1 x 35 RM	0.868	193	135	13.3	240
3 x 35 RM	0.868	122	99	25.2	898
4 x 35 SM	0.868	122	99	24.5	801
1 x 50 RM	0.868	230	166	15.0	304
3 x 50 SM	0.641	144	119	25.5	813
4 x 50 SE	0.641	144	119	26.6	986
4 x 50 SM	0.641	144	119	28.3	1042
5 x 50 SM	0.641	144	119	29.6	1261
1 x 70 RM	0.443	283	210	16.5	383
3 x 70 SM	0.443	179	152	28.3	1045
4 x 70 SM	0.443	179	152	31.1	1337
5 x 70 SM	0.443	179	152	35.0	1682
1 x 95 RM	0.32	340	259	18.7	497
3 x 95 SM	0.32	215	186	31.7	1369
4 x 95 SM	0.32	215	186	36.6	1812
5 x 95 SM	0.32	215	186	38.8	2222
1 x 120 RM	0.253	389	302	20.0	584
3 x 120 SM	0.253	245	216	34.2	1633
4 x 120 SM	0.253	245	216	39.5	2163
5 x 120 SM	0.253	245	216	43.5	2664
1 x 150 RM	0.206	436	345	21.9	700
3 x 150 SM	0.206	275	246	38.2	2018
3 x 150 + 70 SM/SM	0.206 / 0,443	275	246	40.7	2306
4 x 150 SE	0.206	275	246	40.6	2466
4 x 150 SM	0.206	275	246	44.1	2623
5 x 150 SM	0.206	275	246	48.5	3320
1 x 185 RM	0.164	496	401	24.4	873
3 x 185 SM	0.164	313	285	41.8	2468
3 x 185 + 95 SM/RM	0.164 / 0,32	313	285	49.8	2980
4 x 185 SM	0.164	313	285	49.8	3317
5 x 185 SM	0.164	313	285	54.3	4103
1 x 240 RM	0.125	578	479	27.2	1095
3 x 240 SM	0.125	364	338	47.4	3214
3 x 240 + 120 SM/RM	0.125 / 0,253	364	338	55.3	3731
4 x 240 SM	0.125	364	338	55.3	4194
5 x 240 SM	0.125	364	338	64.9	5379
1 x 300 RM	0.1	654	550	29.9	1327
4 x 300 SM	0.1	419	400	62.1	5241
1 x 400 RM	0.078	756	653	33.6	1655
1 x 500 RM	0.061	873	772	37.1	2074

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)
1 x 630 RM	0.047	1011	915	42.6	2599

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

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