We Make Modern Life Possible.

POWER CABLES AND OVERHEAD LINES 0.6/1 KV

E-AYY-J or E-AYY-O

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

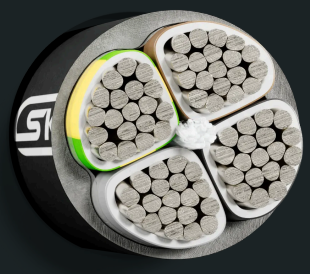
Bending radius (min.)
12 x Ø of cable (multicore)
15 x Ø of cable (singlecore)

Fire properties
EN 60332-1-2: flame retardant and 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)	Standard lengths/p-acking (m)
1 x 25 RM	1.2	106	87	13.2	196	500 D, 1000 D
1 x 35 RM	0.868	127	107	13.7	240	500 D, 1000 D
1 x 50 RM	0.641	151	131	15.1	302	500 D, 1000 D
1 x 70 RM	0.443	185	166	15.8	375	500 D, 1000 D
1 x 95 RM	0.32	222	205	17.6	485	500 D, 1000 D
1 x 120 RM	0.253	253	239	19.1	580	500 D, 1000 D
1 x 150 RM	0.206	284	273	22.6	716	500 D, 1000 D
1 x 185 RM	0.164	322	317	25.1	895	500 D, 1000 D
1 x 240 RM	0.125	375	378	26.5	1060	500 D, 1000 D
1 x 300 RM	0.1	423	434	30.7	1350	500 D, 1000 D
1 x 400 RM	0.078	756	653	33.3	1651	500 D, 1000 D
1 x 500 RM	0.061	873	772	36.9	2071	500 D, 1000 D
1 x 630 RM	0.047	1011	915	42.4	2593	500 D, 1000 D
3 x 25 RM	1.2	102	81	22.5	712	500 D, 1000 D
3 x 35 RM	0.868	122	99	25.0	895	500 D, 1000 D
3 x 50 SM	0.641	144	119	25.3	809	500 D, 1000 D
3 x 70 SM	0.443	179	152	28.1	1041	500 D, 1000 D
3 x 95 SM	0.32	215	186	31.5	1365	500 D, 1000 D
3 x 120 SM	0.253	245	216	36.0	1830	500 D, 1000 D
3 x 150 SM	0.206	275	246	40.3	2040	500 D, 1000 D
3 x 150 + 70 SM/SM	0.206	275	246	43.0	2340	500 D, 1000 D
3 x 185 SM	0.164	313	285	44.0	2760	500 D, 1000 D
3 x 185 + 95 SM/SM	0.164	313	285	50.0	3040	500 D, 1000 D
3 x 240 SM	0.125	364	338	52.0	3280	500 D, 1000 D
3 x 240 + 120 SM/SM	0.125	364	338	53.0	3760	500 D, 1000 D
4 x 25 RM	1.2	102	81	24.0	770	500 D, 1000 D
4 x 35 SM	0.868	122	99	26.5	805	500 D, 1000 D
4 x 50 SE	0.641	144	119	26.9	970	500 D, 1000 D
4 x 50 SM	0.641	144	119	29.4	980	500 D, 1000 D
4 x 50 RM	0.641	144	119	29.5	985	500 D, 1000 D
4 x 70 SE	0.443	179	152	30.9	1310	500 D, 1000 D
4 x 70 SM	0.443	179	152	32.6	1290	500 D, 1000 D
4 x 95 SE	0.32	215	216	37.8	2000	500 D, 1000 D
4 x 95 SM	0.32	215	186	36.5	1810	500 D, 1000 D
4 x 120 SE	0.253	245	216	37.8	2000	500 D, 1000 D
4 x 120 SM	0.253	245	216	41.8	2230	500 D, 1000 D
4 x 150 SE	0.206	275	246	40.8	2490	500 D, 1000 D
4 x 150 SM	0.206	275	246	45.0	2610	500 D, 1000 D
4 x 185 SM	0.164	313	285	48.0	3250	500 D, 1000 D
4 x 240 SM	0.125	364	338	53.4	4020	500 D, 1000 D
4 x 300 SM	0.1	535	510	61.7	5237	500 D, 1000 D
5 x 16 RM	1.91	92	72	22.6	720	500 D, 1000 D
5 x 25 RM	1.2	102	82	27.8	1110	500 D, 1000 D
5 x 35 RM	0.868	123	100	30.1	1281	500 D, 1000 D

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)	Standard lengths/p-acking (m)
5 x 50 RM	0.869	144	119	32.2	1280	500 D, 1000 D
5 x 50 SM	0.869	144	119	32.2	1280	500 D, 1000 D
5 x 70 SM	0.443	179	152	35.9	1680	500 D, 1000 D
5 x 95 RM	0.32	215	186	48.6	3006	500 D
5 x 95 SM	0.32	215	186	40.8	2210	500 D, 1000 D
5 x 120 SM	0.253	245	216	44.1	2640	500 D, 1000 D
5 x 150 SM	0.206	275	246	49.9	3310	500 D
5 x 185 SM	0.164	313	285	54.4	4040	500 D
5 x 240 SM	0.125	364	338	61.3	5290	500 D

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

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