



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



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 $\varnothing$ of cable (multicore)
15 x $\varnothing$ of cable (singlecore)



Fire properties

EN 60332-1-2: flame retardant and self-extinguishing
OPR 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 (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 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 (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/packing (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

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