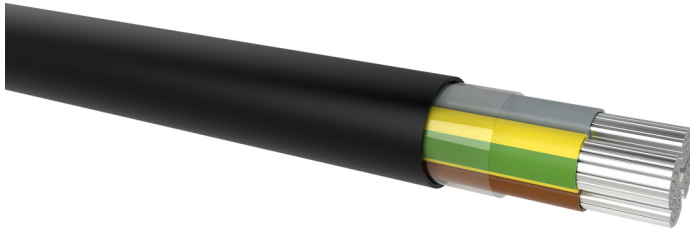


## E-AYY

PVC/PVC aluminium energy cables

### 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)

### APPLICATION

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)



**Rated voltage:**  
0.6/1 kV



**Test voltage:**  
core / core 4 kV / 50 Hz



**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/5 s  
 (≤300 mm<sup>2</sup>)  
 max. 140 °C/5 s  
 (>300 mm<sup>2</sup>)



**Bending radius (min.):**  
 15 x Ø of cable (single core)  
 12 x Ø of cable (multi core)



**Core identification:**  
HD 308 S2



**Fire properties:**  
 EN 60332-1-2: flame retardant  
 CPR classification: E<sub>ca</sub>



**Certificate:**  
 EZÚ Czech Republic  
 ÖVE Austria

Number of cores x nominal cross-section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
<b>E-AYY</b>						
1 x 25 RM	1.2	160	110	12.1	197	500 D, 1000 D
3 x 25 RM	1.2	102	81	22.5	712	500 D, 1000 D
4 x 25 RM	1.2	102	81	25.0	860	500 D, 1000 D
5 x 25 RM	1.2	102	81	27.4	1019	500 D, 1000 D
1 x 35 RM	0.868	193	135	13.1	237	500 D, 1000 D
3 x 35 RM	0.868	122	99	25.0	895	500 D, 1000 D
4 x 35 SM	0.868	122	99	24.3	798	500 D, 1000 D
1 x 50 RM	0.641	230	166	14.8	301	500 D, 1000 D
3 x 50 SM	0.641	144	119	25.3	809	500 D, 1000 D
4 x 50 SE	0.641	144	119	26.4	983	500 D, 1000 D
4 x 50 SM	0.641	144	119	28.1	1039	500 D, 1000 D
5 x 50 SM	0.641	144	119	29.4	1256	500 D, 1000 D
1 x 70 RM	0.443	283	210	16.3	380	500 D, 1000 D

## E-AYY

PVC/PVC aluminium energy cables

Number of cores x nominal cross-section (mm <sup>2</sup> )	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
<b>E-AYY</b>						
3 x 70 SM	0.443	179	152	28.1	1041	500 D, 1000 D
4 x 70 SM	0.443	179	152	30.9	1334	500 D, 1000 D
5 x 70 SM	0.443	179	152	34.8	1676	500 D, 1000 D
1 x 95 RM	0.32	340	259	18.5	494	500 D, 1000 D
3 x 95 SM	0.32	215	186	31.5	1365	500 D, 1000 D
4 x 95 SM	0.32	215	186	36.4	1809	500 D, 1000 D
5 x 95 SM	0.32	215	186	38.6	2216	500 D, 1000 D
1 x 120 RM	0.253	389	302	19.8	581	500 D, 1000 D
3 x 120 SM	0.253	245	216	34.0	1628	500 D, 1000 D
4 x 120 SM	0.253	245	216	39.3	2160	500 D, 1000 D
5 x 120 SM	0.253	245	216	43.3	2658	500 D, 1000 D
1 x 150 RM	0.206	436	345	21.7	697	500 D, 1000 D
3 x 150 SM	0.206	275	246	38.0	2012	500 D, 1000 D
3 x 150 + 70 SM/SM	0.206 /0.443	275	246	40.5	2300	500 D, 1000 D
4 x 150 SE	0.206	275	246	40.4	2463	500 D, 1000 D
4 x 150 SM	0.206	275	246	43.9	2620	500 D, 1000 D
5 x 150 SM	0.206	275	246	48.3	3313	500 D, 1000 D
1 x 185 RM	0.164	496	401	24.2	870	500 D, 1000 D
3 x 185 SM	0.164	313	285	41.6	2462	500 D, 1000 D
3 x 185 + 95 SM/RM	0.164 /0.32	313	285	49.6	2977	500 D, 1000 D
4 x 185 SM	0.164	313	285	49.6	3314	500 D, 1000 D
5 x 185 SM	0.164	313	285	54.1	4095	500 D, 1000 D
1 x 240 RM	0.125	578	479	27.0	1092	500 D, 1000 D
3 x 240 SM	0.125	364	338	47.2	3207	500 D
3 x 240 + 120 SM/RM	0.125 /0.253	364	338	55.1	3728	500 D
4 x 240 SM	0.125	364	338	55.1	4191	500 D
5 x 240 SM	0.125	364	338	64.7	5369	500 D
1 x 300 RM	0.1	654	550	29.7	1324	500 D
4 x 300 SM	0.1	419	400	61.9	5238	500 D
1 x 400 RM	0.0778	756	653	33.4	1652	500 D
1 x 500 RM	0.0605	873	772	36.9	2071	500 D
1 x 630 RM	0.0469	1011	915	42.4	2593	500 D

Technical changes reserved. All figures are therefore without guarantee.