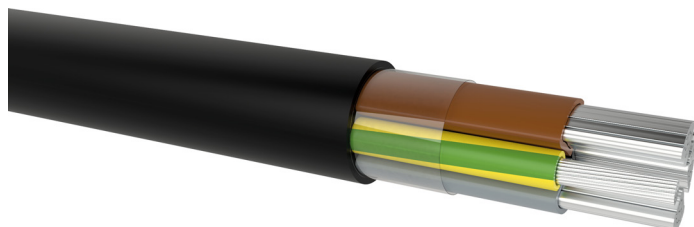


E-AY2Y

PVC/PE aluminium energy cable

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 (HDPE black, UV-resistant)

APPLICATION

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:
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 mm²)
 max. 140 °C/5 s
 (>300 mm²)



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



Core identification:
HD 308 S2



Fire properties:
CPR classification: F_{ca}



Certificate:
EZÚ Czech Republic
ÖVE Austria

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 (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
E-AY2Y						
4 x 25 RE	1.2	102	81	23.5	715	500 D, 1000 D
4 x 35 SM	0.868	122	99	24.3	720	500 D, 1000 D
1 x 50 RM	0.641	230	166	14.8	261	500 D, 1000 D
4 x 50 SE	0.641	144	119	26.4	898	500 D, 1000 D
4 x 50 SM	0.641	144	119	28.1	947	500 D, 1000 D
3 x 70 SM	0.443	179	152	28.1	950	500 D, 1000 D
4 x 70 SM	0.443	179	152	30.9	1232	500 D, 1000 D
3 x 95 + 50 SM/RM	0.32 / 0.641	215	186	36.4	1502	500 D, 1000 D
4 x 95 SE	0.32	215	186	33.8	1571	500 D, 1000 D
4 x 95 SM	0.32	215	186	36.4	1677	500 D, 1000 D
1 x 120 RM	0.253	389	302	19.8	524	500 D, 1000 D
3 x 120 + 70 SM/RM	0.253 / 0.443	245	216	39.3	1826	500 D, 1000 D
4 x 120 SM	0.253	245	216	39.3	2017	500 D, 1000 D
1 x 150 RM	0.206	436	345	21.7	635	500 D, 1000 D

E-AY2Y

PVC/PE aluminium energy cable

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 (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
E-AY2Y						
4 x 150 SE	0.206	275	246	40.4	2316	500 D, 1000 D
4 x 150 SM	0.206	275	246	43.9	2460	500 D, 1000 D
4 x 185 SM	0.164	313	285	49.6	3100	500 D, 1000 D
1 x 240 RM	0.125	578	479	27.0	1005	500 D, 1000 D
3 x 240 SM	0.125	364	338	47.2	3004	500 D
3 x 240 + 120 SM/RM	0.125 /0.253	364	338	55.1	3489	500 D
4 x 240 SM	0.125	364	338	55.1	3952	500 D
1 x 300 RM	0.1	654	550	29.7	1227	500 D
4 x 300 SM	0.1	419	400	61.9	4928	500 D
1 x 400 RM	0.0778	756	653	33.4	1542	500 D
1 x 630 RM	0.0469	1011	915	42.4	2439	500 D

Technical changes reserved. All figures are therefore without guarantee.