



We Make Modern
Life Possible

POWER CABLES AND OVERHEAD LINES 0.6/1 kV

E-AY2Y-J or E-AY2Y-O

PVC/PE aluminium energy cable



TECHNICAL DATA



Standard

ÖVE/ONORM E 8200-603 (HD 603)



Rated Voltage

0.6/1 kV



Test Voltage

core/core 4 kV / 50 Hz



Bending radius (min.)

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



Core identification

HD 308 S2



Fire properties

CPR-Klassifizierung: Fca



Certificate

EZÚ Czech Republic
ÖVE Austria



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



Aluminium conductor, round solid (RE), sector-shaped solid (SE), round stranded (RM), resp. sector-shaped stranded (SM)



Core insulation (PVC)



Inner covering (EPDM or plastic tape)



Sheath (HDPE 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 50 RM	0.641	230	166	14.8	261	500 D, 1000 D
1 x 70 RM	0.834	293	210	16.9	386	500 D, 1000 D
1 x 120 RM	0.253	389	302	21.6	540	500 D, 1000 D
1 x 150 RM	0.206	436	345	21.7	635	500 D, 1000 D
1 x 240 RM	0.164	578	479	27.2	1058	1000D
1 x 300 RM	0.1	654	550	30.1	1395	1000D
1 x 400 RM	0.078	756	653	33.4	1542	500 D
1 x 630 RM	0.047	1011	915	42.4	2439	500 D
3 x 70 SM	0.443	179	152	28.1	950	500 D, 1000 D
3 x 95 + 50 SM/RM	0.32	215	186	36.4	1502	500 D, 1000 D
3 x 120 + 70 SM/RM	0.253	245	216	39.3	1826	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	365	338	55.1	3489	500 D
4 x 25 RE	1.2	102	81	24.2	698	500 D, 1000 D
4 x 25 RM	1.2	102	81	26.0	700	500 D, 1000 D
4 x 35 SM	0.868	122	99	24.3	720	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
4 x 70 SM	0.443	179	152	30.9	1232	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
4 x 120 SM	0.253	245	216	39.3	2017	500 D, 1000 D
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
4 x 240 SM	0.125	364	338	55.1	3952	500 D
4 x 300 SM	0.1	419	400	61.9	4928	500 D

CONTACT PERSON

Dogan Özcan, MSc
Head of Technical Department
+43 (0) 1 70170-154
dogan.oezcan@skw.at

