

LOW VOLTAGE CABLES 0,6/1 kV

E-AYY

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 Ø of cable (multicore)
15 x Ø of cable (singlecore)



Fire properties

EN 60332-1-2: 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



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 (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)
1 x 25 RM	1.2	160	110	12.3	200
3 x 25 RM	1.2	102	81	22.7	715
4 x 25 RM	1.2	102	81	25.2	863
5 x 25 RM	1.2	102	81	27.6	1022
1 x 35 RM	0.868	193	135	13.3	240
3 x 35 RM	0.868	122	99	25.2	898
4 x 35 SM	0.868	122	99	24.5	801
1 x 50 RM	0.868	230	166	15.0	304
3 x 50 SM	0.641	144	119	25.5	813
4 x 50 SE	0.641	144	119	26.6	986
4 x 50 SM	0.641	144	119	28.3	1042
5 x 50 SM	0.641	144	119	29.6	1261
1 x 70 RM	0.443	283	210	16.5	383
3 x 70 SM	0.443	179	152	28.3	1045
4 x 70 SM	0.443	179	152	31.1	1337
5 x 70 SM	0.443	179	152	35.0	1682
1 x 95 RM	0.32	340	259	18.7	497
3 x 95 SM	0.32	215	186	31.7	1369
4 x 95 SM	0.32	215	186	36.6	1812
5 x 95 SM	0.32	215	186	38.8	2222
1 x 120 RM	0.253	389	302	20.0	584
3 x 120 SM	0.253	245	216	34.2	1633
4 x 120 SM	0.253	245	216	39.5	2163
5 x 120 SM	0.253	245	216	43.5	2664
1 x 150 RM	0.206	436	345	21.9	700
3 x 150 SM	0.206	275	246	38.2	2018
3 x 150 + 70 SM/SM	0.206 / 0.443	275	246	40.7	2306
4 x 150 SE	0.206	275	246	40.6	2466
4 x 150 SM	0.206	275	246	44.1	2623
5 x 150 SM	0.206	275	246	48.5	3320
1 x 185 RM	0.164	496	401	24.4	873
3 x 185 SM	0.164	313	285	41.8	2468
3 x 185 + 95 SM/RM	0.164 / 0.32	313	285	49.8	2980
4 x 185 SM	0.164	313	285	49.8	3317
5 x 185 SM	0.164	313	285	54.3	4103
1 x 240 RM	0.125	578	479	27.2	1095
3 x 240 SM	0.125	364	338	47.4	3214
3 x 240 + 120 SM/RM	0.125 / 0.253	364	338	55.3	3731
4 x 240 SM	0.125	364	338	55.3	4194
5 x 240 SM	0.125	364	338	64.9	5379
1 x 300 RM	0.1	654	550	29.9	1327
4 x 300 SM	0.1	419	400	62.1	5241
1 x 400 RM	0.078	756	653	33.6	1655
1 x 500 RM	0.061	873	772	37.1	2074



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)
1 x 630 RM	0.047	1011	915	42.6	2599

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