

ALUMINIUM 0.6/1 kV

E-AY2Y

PVC/PE aluminium energy cable



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);



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 (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)
4 x 25 RE	1.2	102	81	23.5	715
4 x 35 SM	0.868	122	99	24.3	720
1 x 50 RM	0.641	230	166	14.8	261
4 x 50 SE	0.641	144	119	26.4	898
4 x 50 SM	0.641	144	119	28.1	947
3 x 70 SM	0.443	179	152	28.1	950
4 x 70 SM	0.443	179	152	30.9	1232
3 x 95 + 50 SM/RM	0.32 / 0.641	215	186	36.4	1502
4 x 95 SE	0.32	215	186	33.8	1571
4 x 95 SM	0.32	215	186	36.4	1677
1 x 120 RM	0.253	389	302	19.8	524
3 x 120 + 70 SM/RM	0.253 / 0.443	245	216	39.3	1826
4 x 120 SM	0.253	245	216	39.3	2017
1 x 150 RM	0.206	436	345	21.7	635
4 x 150 SE	0.206	275	246	40.4	2316
4 x 150 SM	0.206	275	246	43.9	2460
4 x 185 SM	0.164	313	285	49.6	3100
1 x 240 RM	0.125	578	479	27.0	1005
3 x 240 SM	0.125	364	338	47.2	3004
3 x 240 + 120 SM/RM	0.125 / 0.253	365	338	55.1	3489
4 x 240 SM	0.125	364	338	55.1	3952
1 x 300 RM	0.1	654	550	29.7	1227
4 x 300 SM	0.1	419	400	61.9	4928
1 x 400 RM	0.078	756	653	33.4	1542
1 x 630 RM	0.047	1011	915	42.4	2439

CONTACT PERSON

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