

LOW VOLTAGE CABLES 0,6/1 kV

E-YY

PVC/PVC copper energy cables



TECHNICAL DATA



Standard

ÖVE/ONORM E 8200-603 (HD 603)
ÖVE/ÖNORM E 8200-627 (HD627) for multi-
core (6-61x)



Certificate

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

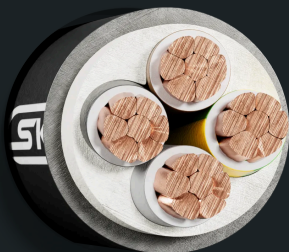
HD 308 S2



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



Copper conductor, round solid (RE), 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)
2 x 1.5 RE	12.1	32	20	10.0	147
3 x 1.5 RE	12.1	27	20	10.4	167
4 x 1.5 RE	12.1	27	20	11.1	194
5 x 1.5 RE	12.1	19	20	12.0	224
7 x 1.5 RE	12.1	16	13	13.2	291
10 x 1.5 RE	12.1	14	11	16.1	412
12 x 1.5 RE	12.1	12	10	16.5	451
14 x 1.5 RE	12.1	12	10	17.2	499
19 x 1.5 RE	12.1	11	9	18.9	623
24 x 1.5 RE	12.1	10	8	21.8	795
30 x 1.5 RE	12.1	8	7	22.9	918
37 x 1.5 RE	12.1	8	7	25.0	1106
40 x 1.5 RE	12.1	8	7	25.9	1183
44 x 1.5 RE	12.1	7	6	27.9	1332
48 x 1.5 RE	12.1	7	6	28.3	1404
2 x 2.5 RE	7.41	42	27	10.7	182
3 x 2.5 RE	7.41	36	25	11.2	211
4 x 2.5 RE	7.41	36	25	12.1	249
5 x 2.5 RE	7.41	25	25	13.0	289
7 x 2.5 RE	7.41	22	17	14.4	379
10 x 2.5 RE	7.41	18	15	17.6	541
12 x 2.5 RE	7.41	16	13	18.1	599
14 x 2.5 RE	7.41	16	13	18.9	667
19 x 2.5 RE	7.41	15	12	20.8	843
24 x 2.5 RE	7.41	13	11	24.5	1103
30 x 2.5 RE	7.41	11	9	25.8	1283
37 x 2.5 RE	7.41	11	9	27.7	1521
40 x 2.5 RE	7.41	11	9	28.8	1630
48 x 2.5 RE	7.41	9	8	31.4	1941
2 x 4 RE	4.61	54	37	12.4	251
3 x 4 RE	4.61	46	34	13.0	295
4 x 4 RE	4.61	46	34	14.0	351
5 x 4 RE	4.61	32	34	15.2	412
7 x 4 RE	4.61	28	22	16.8	542
10 x 4 RE	4.61	23	19	20.9	784
12 x 4 RE	4.61	21	17	21.5	872
14 x 4 RE	4.61	21	17	22.6	975
19 x 4 RE	4.61	19	16	25.4	1267
24 x 4 RE	4.61	16	14	29.4	1629
30 x 4 RE	4.61	14	14	31.1	1904
37 x 4 RE	4.61	14	14	33.5	2269
2 x 6 RE	3.08	68	48	13.4	312
3 x 6 RE	3.08	58	43	14.1	372
4 x 6 RE	3.08	58	43	15.2	448



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)
5 x 6 RE	3.08	41	43	16.5	530
7 x 6 RE	3.08	35	28	18.3	701
2 x 10 RE	1.83	90	66	15.4	445
3 x 10 RE	1.83	78	59	16.2	543
4 x 10 RE	1.83	78	59	17.6	662
4 x 10 RM	1.83	78	59	18.1	685
5 x 10 RE	1.83	55	59	19.2	795
5 x 10 RM	1.83	55	59	19.8	822
1 x 16 RE	1.15	107	84	10.1	232
1 x 16 RM	1.15	107	84	10.4	239
3 x 16 RE	1.15	101	78	18.2	754
3 x 16 RM	1.15	101	78	18.7	780
4 x 16 RE	1.15	101	78	19.8	929
4 x 16 RM	1.15	101	78	20.4	960
5 x 16 RE	1.15	71	78	21.7	1125
5 x 16 RM	1.15	71	78	22.3	1161
1 x 25 RM	0.727	138	114	11.9	345
3 x 25 RM	0.727	132	105	22.1	1151
3 x 25 + 16 RM/RE	0.727 / 1.15	132	105	23.2	1308
4 x 25 RM	0.727	132	105	24.5	1450
5 x 25 RM	0.727	132	105	26.9	1757
1 x 35 RM	0.524	164	139	13.0	444
3 x 35 SM	0.524	159	129	24.3	1443
3 x 35 + 16 SM/RE	0.524 / 1.15	159	129	24.7	1514
4 x 35 SM	0.524	159	129	24.3	1639
1 x 50 RM	0.387	195	169	14.6	582
3 x 50 SM	0.387	188	157	25.3	1660
3 x 50 + 25 SM/RM	0.387 / 0.727	188	157	28.1	1948
4 x 50 SM	0.387	188	157	28.1	2173
5 x 50 RM	0.387	188	157	29.4	2673
1 x 70 RM	0.268	238	213	16.4	789
3 x 70 SM	0.268	232	199	28.1	2267
3 x 70 + 35 SM/RM	0.268 / 0.524	232	199	30.9	2642
4 x 70 SM	0.268	232	199	30.9	2969
5 x 70 RM	0.268	232	199	34.8	3720
1 x 95 RM	0.193	286	264	18.5	1060
3 x 95 SM	0.193	280	246	31.5	3069
3 x 95 + 50 SM/RM	0.193 / 0.268	280	246	36.4	3621
4 x 95 SM	0.193	280	246	36.4	4081
5 x 95 RM	0.193	280	246	38.6	5056
1 x 120 RM	0.153	325	307	19.8	1293
3 x 120 SM	0.153	318	285	34.0	3774
3 x 120 + 70 SM/RM	0.153 / 0.268	318	285	39.2	4525
4 x 120 SM	0.153	318	285	39.2	5022



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)
5 x 120 RM	0.153	318	285	43.3	6235
1 x 150 RM	0.124	365	352	21.7	1578
3 x 150 SM	0.124	359	326	38.0	4665
3 x 150 + 70 SM/RM	0.124 / 0.268	359	326	43.9	5390
4 x 150 SM	0.124	359	326	43.9	6158
5 x 150 SM	0.124	359	326	48.3	7734
1 x 185 RM	0.099	413	406	24.2	1971
3 x 185 SM	0.099	406	374	41.6	5775
3 x 185 + 95 SM/RM	0.099 / 0.193	406	374	49.5	6860
4 x 185 SM	0.099	406	374	49.5	7733
5 x 185 SM	0.099	406	374	54.1	9617
1 x 240 RM	0.075	479	483	27.0	2540
3 x 240 SM	0.075	473	445	47.2	7564
3 x 240 + 120 SM/RM	0.075 / 0.153	473	445	55.1	8803
4 x 240 SM	0.075	473	445	55.1	10002
1 x 300 RM	0.060	539	552	29.6	3142
3 x 300 + 150 SM/RM	0.060 / 0.124	535	510	61.8	11017
1 x 400 RM	0.047	614	646	33.2	3968
1 x 500 RM	0.037	693	747	37.1	5054
1 x 630 RM	0.028	740	840	40.9	6401

CONTACT PERSON

Vojtěch Cuřin
Product Supervisor
+420 731 226 023
vojtech.curin@prakab.com

