



We Make Modern
Life Possible

COPPER 0,6/1 kV

E-YY-J or E-YY-O

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

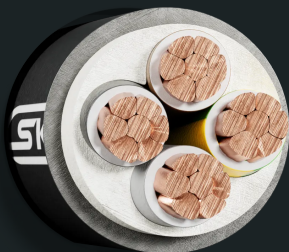
HD 308 S2



Temperature range

Laying temperature: min. -5°C
Operating temperature: -50°C up to 70°C
Conductor temperature: max. 70°C
Short circuit temperature: max. 160°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)
1 x 10 RE	1.83	83	64	8.5	152
1 x 16 RE	1.15	107	84	10.1	232
1 x 16 RM	1.15	107	84	10.4	239
1 x 25 RM	0.727	138	114	11.9	345
1 x 35 RM	0.524	164	139	13.0	444
1 x 50 RM	0.387	195	169	14.6	582
1 x 70 RM	0.268	238	213	16.4	789
1 x 95 RM	0.193	286	264	18.5	1060
1 x 120 RM	0.153	325	307	19.8	1293
1 x 150 RM	0.124	365	352	21.7	1578
1 x 185 RM	0.099	413	406	24.2	1971
1 x 240 RM	0.075	479	483	27.0	2540
1 x 300 RM	0.060	539	552	29.6	3142
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
2 x 1.5 RE	12.1	32	20	10.0	147
2 x 2.5 RE	7.41	42	27	10.7	182
2 x 4 RE	4.61	54	37	12.4	251
2 x 6 RE	3.08	68	48	13.4	312
2 x 10 RE	1.83	90	66	15.4	445
2 x 16 RE	1.16	116	89	17.0	590
2 x 25 RM	0.727	132	105	19.5	1100
2 x 35 RM	0.524	159	129	24.4	1250
3 x 1.5 RE	12.1	27	20	10.4	167
3 x 2.5 RE	7.41	36	25	11.2	211
3 x 4 RE	4.61	46	34	13.0	295
3 x 6 RE	3.08	58	43	14.1	372
3 x 10 RE	1.83	78	59	16.2	543
3 x 16 RM	1.15	101	78	18.7	780
3 x 16 RE	1.15	101	78	18.2	754
3 x 25 RM	0.727	132	105	22.1	1151
3 x 25 + 16 RM/RE	0.727	132	105	23.2	1308
3 x 35 SM	0.524	159	129	24.3	1443
3 x 35 + 16 SM/RE	0.524	159	129	24.7	1514
3 x 50 SM	0.387	188	157	25.3	1660
3 x 50 + 25 SM/RM	0.387	188	157	28.1	1948
3 x 70 SM	0.268	232	199	28.1	2267
3 x 70 + 35 SM/RM	0.268	232	199	30.9	2642
3 x 95 SM	0.193	280	246	31.5	3069
3 x 95 + 50 SM/RM	0.193	280	246	36.4	3621
3 x 120 SM	0.153	318	285	34.0	3774
3 x 120 + 70 SM/RM	0.153	318	285	39.2	4525
3 x 150 SM	0.124	359	326	38.0	4665



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)
3 x 150 + 70 SM/RM	0.124	359	326	43.9	5390
3 x 185 SM	0.099	406	374	41.6	5775
3 x 185 + 95 SM/RM	0.099	406	374	49.5	6860
3 x 240 SM	0.075	473	445	47.2	7564
3 x 240 + 120 SM/RM	0.075	473	445	55.1	8803
3 x 300 + 150 SM/RM	0.060	535	510	61.8	11017
4 x 1.5 RE	12.1	27	20	11.1	194
4 x 2.5 RE	7.41	36	25	12.1	249
4 x 4 RE	4.61	46	34	14.0	351
4 x 6 RE	3.08	58	43	15.2	448
4 x 10 RE	1.83	78	59	17.6	662
4 x 10 RM	1.83	78	59	18.1	685
4 x 16 RE	1.15	101	78	19.8	929
4 x 16 RM	1.15	101	78	20.4	960
4 x 25 RM	0.727	132	105	24.5	1450
4 x 35 SM	0.524	159	129	24.3	1639
4 x 50 SM	0.387	188	157	28.1	2173
4 x 70 SM	0.268	232	199	30.9	2969
4 x 95 SM	0.193	280	246	36.4	4081
4 x 120 SM	0.153	318	285	39.2	5022
4 x 150 SM	0.124	359	326	43.9	6158
4 x 185 SM	0.099	406	374	49.5	7733
4 x 240 SM	0.075	473	445	55.1	10002
5 x 4 RE	4.61	32	34	15.2	412
5 x 1.5 RE	12.1	19	20	12.0	224
5 x 2.5 RE	7.41	25	25	13.0	289
5 x 6 RE	3.08	41	43	16.5	530
5 x 10 RE	1.83	55	59	19.2	795
5 x 10 RM	1.83	55	59	19.8	822
5 x 16 RE	1.15	71	78	21.7	1125
5 x 16 RM	1.15	71	78	22.3	1161
5 x 25 RM	0.727	132	105	26.9	1757
5 x 35 RM	0.524	159	123	29.3	2190
5 x 50 RM	0.387	188	157	29.4	2673
5 x 50 SM	0.387	188	157	30.0	2629
5 x 70 RM	0.268	232	199	34.8	3720
5 x 70 SM	0.268	232	199	32.0	3664
5 x 95 RM	0.193	280	246	38.6	5056
5 x 95 SM	0.193	280	246	40.8	4990
5 x 120 RM	0.153	318	285	43.3	6235
5 x 120 SM	0.153	318	285	40.1	6167
5 x 150 RM	0.124	359	326	54.4	7921
5 x 150 SM	0.124	359	326	48.3	7850
5 x 185 RM	0.099	406	374	55.2	9682



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 185 SM	0.099	406	374	54.1	9617
5 x 240 RM	0.075	473	445	68.0	14172
5 x 240 SM	0.075	473	445	68.0	14120
7 x 1.5 RE	12.1	16	13	13.2	291
7 x 2.5 RE	7.41	22	17	14.4	379
7 x 4 RE	4.61	28	22	16.8	542
7 x 6 RE	3.08	35	28	18.3	701
10 x 1.5 RE	12.1	14	11	16.1	412
10 x 2.5 RE	7.41	18	15	17.6	541
10 x 4 RE	4.61	23	19	20.9	784
12 x 1.5 RE	12.1	12	10	16.5	451
12 x 2.5 RE	7.41	16	13	18.1	599
12 x 4 RE	4.61	21	17	21.5	872
14 x 1.5 RE	12.1	12	10	17.2	499
14 x 2.5 RE	7.41	16	13	18.9	667
14 x 4 RE	4.61	21	17	22.6	975
19 x 1.5 RE	12.1	11	9	18.9	623
19 x 2.5 RE	7.41	15	12	20.8	843
19 x 4 RE	4.61	19	16	25.4	1267
24 x 1.5 RE	12.1	10	8	21.8	795
24 x 2.5 RE	7.41	13	11	24.5	1103
24 x 4 RE	4.61	16	14	29.4	1629
30 x 1.5 RE	12.1	8	7	22.9	918
30 x 2.5 RE	7.41	11	9	25.8	1283
30 x 4 RE	4.61	14	14	31.1	1904
37 x 1.5 RE	12.1	8	7	25.0	1106
37 x 2.5 RE	7.41	11	9	27.7	1521
37 x 4 RE	4.61	14	14	33.5	2269
40 x 1.5 RE	12.1	8	7	25.9	1183
40 x 2.5 RE	7.41	11	9	28.8	1630
44 x 1.5 RE	12.1	7	6	27.9	1332
48 x 1.5 RE	12.1	7	6	28.3	1404
48 x 2.5 RE	7.41	9	8	31.4	1941
52 x 1.5 RE	12.1	7	6	29.5	1450
52 x 1.5 RE	7.41	9	8	34.5	2200
61 x 1.5 RE	12.1	7	6	31.6	1586
61 x 2.5 RE	7.41	9	8	38.0	2630



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