

COPPER 0,6/1 kV, SCREENED OR ARMoured

E-YCY

PVC/PVC copper energy cables, screened



TECHNICAL DATA



Standard

ÖVE/ONORM E 8200-603 (HD 603)
ÖVE/ONORM E 8200-627 (HD 627)



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

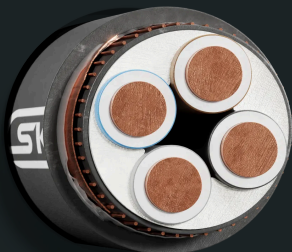
HD 308 S2



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



1 Copper conductor, round solid (RE) resp. round stranded (RM)



2 Core insulation (PVC)



3 Concentric screen (bare copper wires) and counter helix (copper tape) and optional plastic tape



4 Inner sheath (PVC black, UV-resistant)



5 Inner covering (EPDM)



6 Outer sheath (PVC black, UV-resistant)

Number of cores x nominal cross-section / cross-section of screen (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 / 1.5	12.1	32	20	13.5	238
2 x 1.5 RE / 16	12.1	32	20	14.2	316
3 x 1.5 RE / 1.5	12.1	27	20	13.9	261
3 x 1.5 RE / 6	12.1	27	20	14.5	309
3 x 1.5 RE / 16	12.1	27	20	14.9	331
4 x 1.5 RE / 1.5	12.1	27	20	14.6	293
4 x 1.5 RE / 16	12.1	27	20	15.6	427
5 x 1.5 RE / 1.5	12.1	19	14	15.5	327
5 x 1.5 RE / 16	12.1	19	14	16.2	376
7 x 1.5 RE / 1.5	12.1	16	12	16.7	401
7 x 1.5 RE / 2.5	12.1	16	12	16.7	410
7 x 1.5 RE / 6	12.1	16	12	17.3	448
7 x 1.5 RE / 16	12.1	16	12	17.7	535
10 x 1.5 RE / 2.5	12.1	13	10	19.6	548
10 x 1.5 RE / 6	12.1	13	10	20.2	586
10 x 1.5 RE / 16	12.1	13	10	20.6	674
12 x 1.5 RE / 1.5	12.1	12	10	20.0	581
12 x 1.5 RE / 2.5	12.1	12	10	20.0	590
12 x 1.5 RE / 16	12.1	12	10	21.0	716
14 x 1.5 RE / 4	12.1	12	9	21.3	660
14 x 1.5 RE / 16	12.1	12	9	21.7	767
16 x 1.5 RE / 4	12.1	11	9	22.3	586
16 x 1.5 RE / 16	12.1	11	9	23.2	721
19 x 1.5 RE / 1.5	12.1	11	9	22.4	772
19 x 1.5 RE / 4	12.1	11	9	23.0	799
19 x 1.5 RE / 6	12.1	11	9	23.0	819
19 x 1.5 RE / 16	12.1	11	9	23.4	904
24 x 1.5 RE / 1.5	12.1	9	8	25.7	988
24 x 1.5 RE / 6	12.1	9	8	26.3	1036
24 x 1.5 RE / 16	12.1	9	8	26.7	1119
30 x 1.5 RE / 16	12.1	8	7	27.8	1250
37 x 1.5 RE / 6	12.1	8	7	29.1	1345
37 x 1.5 RE / 16	12.1	8	7	29.5	1426
44 x 1.5 RE / 16	12.1	7	6	32.4	1671
48 x 1.5 RE / 16	12.1	7	6	32.8	1746
61 x 1.5 RE / 16	12.1	7	6	33.5	1951
2 x 2.5 RE / 2.5	7.41	42	27	14.2	286
2 x 2.5 RE / 16	7.41	42	27	15.2	412
3 x 2.5 RE / 2.5	7.41	36	25	14.7	318
3 x 2.5 RE / 16	7.41	36	25	15.7	444
4 x 2.5 RE / 2.5	7.41	36	25	15.6	361
4 x 2.5 RE / 6	7.41	36	25	16.2	400
4 x 2.5 RE / 16	7.41	36	25	16.6	487
5 x 2.5 RE / 2.5	7.41	25	19	16.5	407



Number of cores x nominal cross-section / cross-section of screen (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 2.5 RE / 16	7.41	25	19	17.5	533
7 x 2.5 RE / 2.5	7.41	21	17	17.9	505
7 x 2.5 RE / 6	7.41	21	17	18.5	543
7 x 2.5 RE / 16	7.41	21	17	18.9	630
10 x 2.5 RE / 4	7.41	18	14	21.7	704
10 x 2.5 RE / 16	7.41	18	14	22.1	812
12 x 2.5 RE / 4	7.41	17	13	22.2	765
12 x 2.5 RE / 16	7.41	17	13	22.6	876
14 x 2.5 RE / 16	7.41	16	13	23.4	948
16 x 2.5 RE / 6	7.41	15	12	22.1	831
16 x 2.5 RE / 16	7.41	15	12	23.1	1101
19 x 2.5 RE / 6	7.41	14	11	25.3	1077
19 x 2.5 RE / 16	7.41	12	11	25.7	1160
24 x 2.5 RE / 6	7.41	12	10	28.6	1338
24 x 2.5 RE / 10	7.41	12	10	29.0	1369
24 x 2.5 RE / 16	7.41	12	10	29.0	1420
30 x 2.5 RE / 6	7.41	11	9	29.9	1527
30 x 2.5 RE / 16	7.41	11	9	30.3	1608
37 x 2.5 RE / 16	7.41	11	9	31.3	1971
48 x 2.5 RE / 16	7.41	9	8	34.5	2441
2 x 4 RE / 4	4.61	54	37	16.5	383
2 x 4 RE / 16	4.61	54	37	16.9	491
3 x 4 RE / 4	4.61	46	34	17.1	431
4 x 4 RE / 4	4.61	46	34	18.1	493
4 x 4 RE / 16	4.61	46	34	18.5	601
5 x 4 RE / 4	4.61	32	25	19.3	561
5 x 4 RE / 16	4.61	32	25	19.7	669
7 x 4 RE / 4	4.61	28	21	20.9	700
7 x 4 RE / 16	4.61	28	21	21.3	808
10 x 4 RE / 6	4.61	25	18	25.4	1019
14 x 4 RE / 16	4.61	24	17	27.5	1304
2 x 6 RE / 6	3.08	68	48	17.5	470
2 x 6 RE / 16	3.08	68	48	16.1	481
3 x 6 RE / 6	3.08	58	43	18.2	535
4 x 6 RE / 6	3.08	58	43	19.3	618
4 x 6 RE / 16	3.08	58	43	19.7	705
5 x 6 RE / 16	3.08	41	32	21.0	794
2 x 10 RE / 16	1.83	90	66	19.9	702
4 x 10 RE / 16	1.83	78	59	22.1	933
4 x 10 RM / 16	1.83	78	59	20.7	876
5 x 10 RM / 16	1.83	55	44	23.8	1021
2 x 16 RE / 10	1.15	116	89	19.6	806
3 x 16 RE / 10	1.15	101	78	21.1	941
4 x 16 RE / 10	1.15	101	78	24.7	1189



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4 x 16 RE / 16	1.15	101	78	24.4	1141
5 x 16 RM / 16	1.15	71	59	26.1	1381
3 x 25 RM / 16	0.727	132	105	25.1	1421
4 x 25 RM / 16	0.727	132	105	28.2	1641

CONTACT PERSON

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