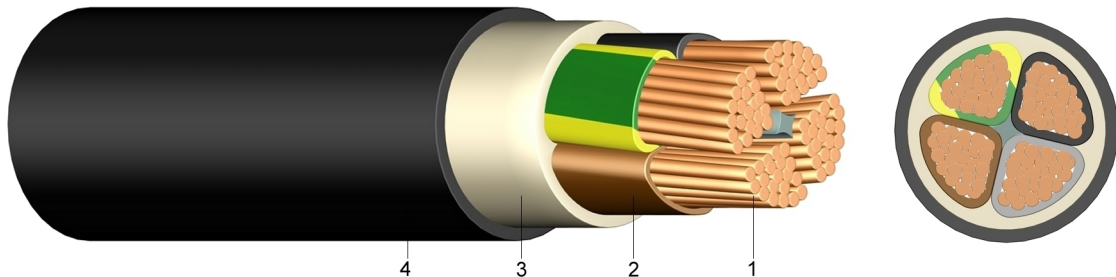


## E-YY

# PVC Insulated Heavy Current Cable 0,6/1kV Single or Multi Core

### Application:

This power cable is suitable for fixed installations, preferably in cable ducts, indoors, outdoors, in water or underground if no mechanical damage is to be expected.



### Construction:

- 1 ..... solid (RE) or stranded (RM/SM) bare copper
- 2 ..... core insulation of polyvinylchloride (PVC)
- 3 ..... PVC core covering or taping
- 4 ..... outer sheath of polyvinylchloride (PVC), black, UV-resistant

### Information:

short circuit temperature (max. 5 sec.)  
 $\leq 300\text{mm}^2 \rightarrow 160^\circ\text{C}$   
 $> 300\text{mm}^2 \rightarrow 140^\circ\text{C}$

### Standards:

ÖVE-K 603  
 DIN EN 60228 class 1 and 2 (construction)  
 HD 308 S2 (core identification)

### Technical data:

Nominal voltage $U_0/U$		[V]	600 / 1000 Volt
Test voltage		[V] <sub>AC</sub>	4000
Temperature range	in motion		- 5°C till +70°C
	fixed		-20°C till +70°C
Bending radius	single-core style	x diameter	15
	multi-core style	x diameter	12
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section	Copper figure	Overall diameter	Weight	Current carrying capacity ground	Current carrying capacity air
mm <sup>2</sup>	kg/km	appr. mm	appr. kg/km	A	A
1 x 16 RE	153,6	11	250	107	84
1 x 25 RM	240,0	12	350	138	114
1 x 35 RM	336,0	13	460	164	139
1 x 50 RM	480,0	15	600	195	169
1 x 70 RM	672,0	17	820	238	213
1 x 95 RM	912,0	19	1.080	286	264
1 x 120 RM	1.152,0	21	1.310	325	307
1 x 150 RM	1.440,0	23	1.600	365	352
1 x 185 RM	1.776,0	25	2.000	413	406
1 x 240 RM	2.304,0	28	2.500	479	483
1 x 300 RM	2.880,0	30	3.180	541	557
1 x 400 RM	3.840,0	32	3.180	614	646
1 x 500 RM	4.800,0	34	3.180	693	747
1 x 630 RM	6.048,0	42	3.180	777	858

Number of cores and nominal cross section	Copper figure	Overall diameter	Weight	Current carrying capacity ground	Current carrying capacity air
mm <sup>2</sup>	kg/km	appr. mm	appr. kg/km	A	A
2 x 1,5 RE	28,8	11	220	27	20
2 x 2,5 RE	48,0	12	267	36	25
2 x 4 RE	76,8	14	342	47	34
2 x 6 RE	115,2	15	412	59	43
2 x 10 RE	192,0	16	510	79	59
2 x 16 RM	307,2	18	670	102	79
3 x 1,5 RE	43,2	11	244	27	20
3 x 2,5 RE	72,0	12	294	36	25
3 x 4 RE	115,2	14	393	47	34
3 x 6 RE	172,8	15	481	59	43
3 x 10 RE	288,0	16	645	79	59
3 x 16 RE	460,8	18	872	102	79
3 x 16 RM	460,8	19	872	102	79
3 x 25 RM	720,0	21	1.350	133	106
3 x 35 SM	1.008,0	22	1.460	159	129
3 x 50 SM	1.440,0	26	1.750	188	157
3 x 70 SM	2.016,0	29	2.400	232	199
3 x 95 SM	2.736,0	33	3.560	280	246
3 x 120 SM	3.456,0	37	4.310	318	285
3 x 150 SM	4.320,0	41	5.310	359	326
3 x 185 SM	5.328,0	47	6.630	406	374
3 x 240 SM	6.912,0	52	8.480	473	445
3 x 25/16 RM/RE	873,6	22	1.513	133	106
3 x 35/16 SM/RE	1.161,6	23	1.804	159	129
3 x 50/25 SM/RM	1.680,0	28	2.349	188	157
3 x 70/35 SM	2.352,0	32	3.117	232	199
3 x 95/50 SM	3.216,0	36	4.167	280	246
3 x 120/70 SM	4.128,0	39	5.190	318	285
3 x 150/70 SM	4.992,0	43	6.161	359	326
3 x 185/95 SM	6.240,0	50	7.673	406	374
3 x 240/120 SM	8.064,0	56	9.850	473	445
3 x 300/150 SM	10.080,0	66	11.900	535	511
4 x 1,5 RE	57,6	11	278	27	20
4 x 2,5 RE	96,0	12	340	36	25
4 x 4 RE	153,6	14	460	47	34
4 x 6 RE	230,4	15	570	59	43
4 x 10 RE	384,0	17	775	79	59
4 x 10 RM	384,0	18	775	79	59
4 x 16 RE	614,4	19	1.072	102	79
4 x 16 RM	614,4	20	1.072	102	79
4 x 25 RM	960,0	22	1.632	133	106
4 x 35 SM	1.344,0	23	1.959	159	129
4 x 50 SM	1.920,0	28	2.595	188	157
4 x 70 SM	2.688,0	32	3.488	232	199
4 x 95 SM	3.648,0	36	4.637	280	246
4 x 120 SM	4.608,0	39	5.689	318	285
4 x 150 SM	5.760,0	45	6.973	359	326
4 x 185 SM	7.104,0	52	8.663	406	374
4 x 240 SM	9.216,0	58	11.140	473	445
5 x 1,5 RE	72,0	13	317	*	*
5 x 2,5 RE	120,0	14	391	*	*
5 x 4 RE	192,0	16	537	*	*
5 x 6 RE	288,0	17	672	*	*
5 x 10 RE	480,0	19	921	*	*
5 x 10 RM	480,0	20	921	*	*
5 x 16 RE	768,0	22	1.294	*	*

Number of cores and nominal cross section	Copper figure	Overall diameter	Weight	Current carrying capacity ground	Current carrying capacity air
mm <sup>2</sup>	kg/km	appr. mm	appr. kg/km	A	A
5 x 16 RM	1.200,0	27	2.004	*	*
5 x 25 RM	1.200,0	27	2.004	*	*
5 x 35 RM	1.680,0	28	2.575	*	*
5 x 50 RM	2.400,0	34	3.193	*	*
5 x 70 RM	3.360,0	38	4.319	*	*
5 x 95 RM	4.560,0	44	5.783	*	*
5 x 120 RM	5.760,0	48	7.095	*	*
5 x 150 RM	7.200,0	59	8.240	*	*
7 x 1,5 RE	100,8	13	376	*	*
10 x 1,5 RE	144,0	16	495	*	*
12 x 1,5 RE	172,8	18	440	*	*
14 x 1,5 RE	201,6	19	494	*	*
16 x 1,5 RE	230,4	20	600	*	*
19 x 1,5 RE	273,6	19	614	*	*
21 x 1,5 RE	302,4	22	700	*	*
24 x 1,5 RE	345,6	23	769	*	*
30 x 1,5 RE	432,0	25	918	*	*
40 x 1,5 RE	576,0	27	1.250	*	*
7 x 2,5 RE	168,0	14	472	*	*
10 x 2,5 RE	240,0	19	530	*	*
12 x 2,5 RE	288,0	20	578	*	*
14 x 2,5 RE	336,0	21	680	*	*
16 x 2,5 RE	384,0	22	750	*	*
19 x 2,5 RE	456,0	23	870	*	*
21 x 2,5 RE	504,0	24	900	*	*
24 x 2,5 RE	576,0	25	1.035	*	*
30 x 2,5 RE	720,0	27	1.300	*	*
40 x 2,5 RE	960,0	30	1.700	*	*
7 x 4 RE	268,8	19	600	*	*
7 x 6 RE	403,2	20	760	*	*
7 x 10 RE	672,0	22	1.080	*	*

\* The current carrying capacity of the cables depends on the number of cores loaded (see DIN VDE 0276-627)