

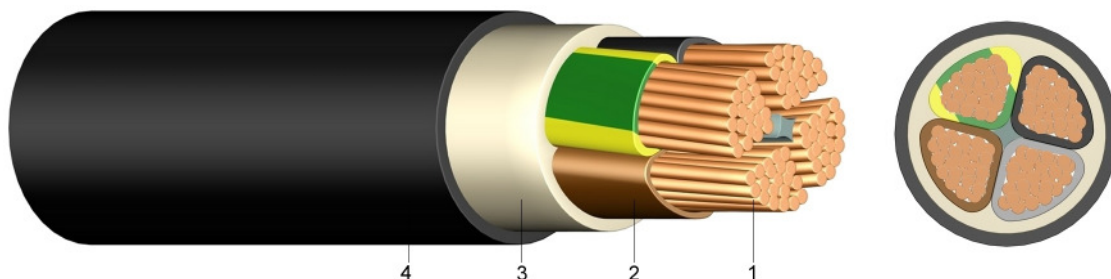
Datasheet E-YY

Version 1/2009

PVC Insulated 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

Information:

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

According to:

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] _{AC}	4000
Temperature range	in motion fixed		- 5°C till +70°C -20°C till +70°C
Bending radius	single-core style multi-core style	x diameter x diameter	15 12
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm ²	Copper figure kg/km	Overall diameter appr. mm	Weight appr. kg / km	Current carrying capacity ground A	Current carrying capacity air A
1 x 16 RE	160	11	250	107	84
1 x 25 RM	250	12	350	138	114
1 x 35 RM	350	13	460	164	139
1 x 50 RM	500	15	600	195	169
1 x 70 RM	700	17	820	238	213
1 x 95 RM	950	19	1.080	286	264
1 x 120 RM	1.200	21	1.310	325	307
1 x 150 RM	1.500	23	1.600	365	352
1 x 185 RM	1.850	25	2.000	413	406
1 x 240 RM	2.400	28	2.500	479	483
1 x 300 RM	3.000	30	3.180	541	557
1 x 400 RM	4.000	32	3.180	614	646
1 x 500 RM	5.000	34	3.180	693	747
1 x 630 RM	6.300	42	3.180	777	858

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Number of cores and nominal cross section mm ²	Copper figure kg/km	Overall diameter appr. mm	Weight appr. kg / km	Current carrying capacity ground A	Current carrying capacity air A
2 x 1,5 RE	30	11	220	27	20
2 x 2,5 RE	50	12	267	36	25
2 x 4 RE	80	14	342	47	34
2 x 6 RE	120	15	412	59	43
2 x 10 RE	200	16	510	79	59
2 x 16 RM	320	18	670	102	79
3 x 1,5 RE	45	11	244	27	20
3 x 2,5 RE	75	12	294	36	25
3 x 4 RE	120	14	393	47	34
3 x 6 RE	180	15	481	59	43
3 x 10 RE	300	16	645	79	59
3 x 16 RE	480	18	872	102	79
3 x 16 RM	480	19	872	102	79
3 x 25 RM	750	21	1.350	133	106
3 x 35 SM	1.050	22	1.460	159	129
3 x 50 SM	1.500	26	1.750	188	157
3 x 70 SM	2.100	29	2.400	232	199
3 x 95 SM	2.850	33	3.560	280	246
3 x 120 SM	3.600	37	4.310	318	285
3 x 150 SM	4.500	41	5.310	359	326
3 x 185 SM	5.550	47	6.630	406	374
3 x 240 SM	7.200	52	8.480	473	445
3 x 25/16 RM/RE	910	22	1.513	133	106
3 x 35/16 SM/RE	1.210	23	1.804	159	129
3 x 50/25 SM/RM	1.750	28	2.349	188	157
3 x 70/35 SM	2.450	32	3.117	232	199
3 x 95/50 SM	3.350	36	4.167	280	246
3 x 120/70 SM	4.300	39	5.190	318	285
3 x 150/70 SM	5.200	43	6.161	359	326
3 x 185/95 SM	6.500	50	7.673	406	374
3 x 240/120 SM	8.400	56	9.850	473	445
3 x 300/150 SM	10.500	66	11.900	535	511
4 x 1,5 RE	60	11	278	27	20
4 x 2,5 RE	100	12	340	36	25
4 x 4 RE	160	14	460	47	34
4 x 6 RE	240	15	570	59	43
4 x 10 RE	400	17	775	79	59
4 x 10 RM	400	18	775	79	59
4 x 16 RE	640	19	1.072	102	79
4 x 16 RM	640	20	1.072	102	79
4 x 25 RM	1.000	22	1.632	133	106
4 x 35 SM	1.400	23	1.959	159	129
4 x 50 SM	2.000	28	2.595	188	157
4 x 70 SM	2.800	32	3.488	232	199
4 x 95 SM	3.800	36	4.637	280	246
4 x 120 SM	4.800	39	5.689	318	285
4 x 150 SM	6.000	45	6.973	359	326
4 x 185 SM	7.400	52	8.663	406	374
4 x 240 SM	9.600	58	11.140	473	445
5 x 1,5 RE	75	13	317	*	*
5 x 2,5 RE	125	14	391	*	*
5 x 4 RE	200	16	537	*	*
5 x 6 RE	300	17	672	*	*
5 x 10 RE	500	19	921	*	*
5 x 10 RM	500	20	921	*	*
5 x 16 RE	800	22	1.294	*	*

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Number of cores and nominal cross section mm ²	Copper figure kg/km	Overall diameter appr. mm	Weight appr. kg / km	Current carrying capacity ground A	Current carrying capacity air A
5 x 16 RM	1.250	27	2.004	*	*
5 x 25 RM	1.250	27	2.004	*	*
5 x 35 RM	1.750	28	2.575	*	*
5 x 50 RM	2.500	34	3.193	*	*
5 x 70 RM	3.500	38	4.319	*	*
5 x 95 RM	4.750	44	5.783	*	*
5 x 120 RM	6.000	48	7.095	*	*
5 x 150 RM	7.500	59	8.240	*	*
7 x 1,5 RE	105	13	376	*	*
10 x 1,5 RE	150	16	495	*	*
12 x 1,5 RE	180	18	440	*	*
14 x 1,5 RE	210	19	494	*	*
16 x 1,5 RE	240	20	600	*	*
19 x 1,5 RE	285	19	614	*	*
21 x 1,5 RE	315	22	700	*	*
24 x 1,5 RE	360	23	769	*	*
30 x 1,5 RE	450	25	918	*	*
40 x 1,5 RE	600	27	1.250	*	*
7 x 2,5 RE	175	14	472	*	*
10 x 2,5 RE	250	19	530	*	*
12 x 2,5 RE	300	20	578	*	*
14 x 2,5 RE	350	21	680	*	*
16 x 2,5 RE	400	22	750	*	*
19 x 2,5 RE	475	23	870	*	*
21 x 2,5 RE	525	24	900	*	*
24 x 2,5 RE	600	25	1.035	*	*
30 x 2,5 RE	750	27	1.300	*	*
40 x 2,5 RE	1.000	30	1.700	*	*
7 x 4 RE	280	19	600	*	*
7 x 6 RE	420	20	760	*	*
7 x 10 RE	700	22	1.080	*	*

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