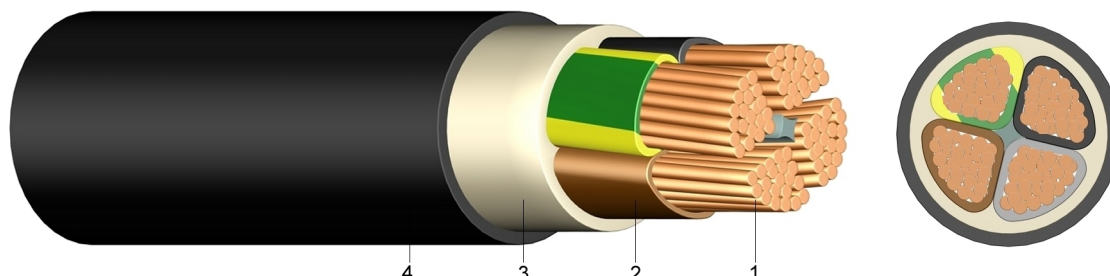


## (N)2XY

## PVC-isolierte Starkstromkabel 0,6/1kV ein- und mehradrig

### 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 polyethylene (PE), black, Shore-hardness >55

### Standards:

adapted to DIN VDE 0276-603  
DIN EN 60228 class 1 and 2 (construction)  
HD 308 S2 (core identification)

### Technical data:

Nominal voltage U <sub>0</sub> /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	x diameter	15
	Multi core	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
1 x 16 RM	153,6	9,3	211	115	102
1 x 25 RM	240,0	10,6	310	148	138
1 x 35 RM	336,0	11,7	401	177	170
1 x 50 RM	480,0	13,0	524	209	207
1 x 70 RM	672,0	14,9	731	256	263
1 x 95 RM	912,0	17,3	1.085	307	325
1 x 120 RM	1.152,0	18,5	1.310	349	380
1 x 150 RM	1.440,0	20,6	1.525	393	437
1 x 185 RM	1.776,0	23,1	1.868	445	507
1 x 240 RM	2.304,0	26,0	2.500	517	604
1 x 300 RM	2.880,0	28,4	3.180	583	697
3 x 1,5 RE	43,2	10,6	162	31	24
3 x 2,5 RE	72,0	11,5	205	40	32
3 x 4 RE	115,2	12,4	264	52	42
3 x 6 RE	172,8	13,5	340	64	53
3 x 10 RE	288,0	16,5	534	86	74
3 x 16 RM	460,8	18,9	761	112	98

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
3 x 25/ 16 SM	873,6	23,5	1.415	145	133
3 x 35/ 16 SM	1.161,6	25,5	1.717	174	162
3 x 50/ 25 SM	1.680,0	28,6	2.331	206	197
3 x 70/ 35 SM	2.352,0	35,9	3.278	254	250
3 x 95/ 50 SM	3.216,0	41,0	4.432	305	308
3 x 120/ 70 SM	4.128,0	42,0	5.538	348	359
3 x 150/ 70 SM	4.992,0	47,1	6.598	392	412
3 x 185/ 95 SM	6.240,0	52,2	8.366	444	475
3 x 240/120 SM	8.064,0	58,2	10.628	517	564
3 x 300/150 SM	10.080,0	63,8	13.164	585	649
4 x 1,5 RE	57,6	11,3	189	31	24
4 x 2,5 RE	96,0	12,3	243	40	32
4 x 4 RE	153,6	13,4	314	52	42
4 x 6 RM	230,4	14,6	408	64	53
4 x 10 RM	384,0	17,9	655	86	74
4 x 16 RM	614,4	20,5	944	112	98
4 x 25 RM	960,0	24,2	1.397	145	133
4 x 35 SM	1.344,0	26,9	1.806	174	162
4 x 50 SM	1.920,0	30,2	2.369	206	197
4 x 70 SM	2.688,0	35,4	3.365	254	250
4 x 95 SM	3.648,0	40,9	4.586	305	308
4 x 120 SM	4.608,0	44,2	5.516	348	359
4 x 150 SM	5.760,0	49,0	6.940	392	412
4 x 185 SM	7.104,0	55,8	8.645	444	475
4 x 240 SM	9.216,0	62,7	11.126	517	564
4 x 300 SM	11.520,0	68,4	13.688	585	649
5 x 1,5 RE	72,0	12,3	223	**	**
5 x 2,5 RE	120,0	13,4	289	**	**
5 x 4 RE	192,0	14,6	384	**	**
5 x 6 RE	288,0	16,0	502	**	**
5 x 10 RE	480,0	19,6	793	**	**
5 x 16 RE	768,0	22,6	1.125	**	**
5 x 25 RM	1.200,0	26,5	1.663	**	**
5 x 35 RM	1.680,0	29,5	2.175	**	**
7 x 1,5 RE	100,8	13,1	259	**	**
7 x 2,5 RE	168,0	14,3	341	**	**
9 x 1,5 RE	129,6	15,5	322	**	**
9 x 2,5 RE	216,0	17,0	428	**	**
10 x 1,5 RE	144,0	16,0	349	**	**
10 x 2,5 RE	240,0	17,6	465	**	**
12 x 1,5 RE	172,8	16,5	392	**	**
12 x 2,5 RE	288,0	18,2	529	**	**
14 x 1,5 RE	201,6	17,2	438	**	**
14 x 2,5 RE	336,0	19,0	596	**	**
15 x 1,5 RE	216,0	18,1	465	**	**
15 x 2,5 RE	360,0	20,0	633	**	**
19 x 1,5 RE	273,6	18,9	550	**	**
19 x 2,5 RE	456,0	20,9	758	**	**
21 x 1,5 RE	302,4	19,9	599	**	**
21 x 2,5 RE	504,0	22,0	827	**	**
24 x 1,5 RE	345,6	21,8	676	**	**
24 x 2,5 RE	576,0	24,2	935	**	**

\* on enquiry

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