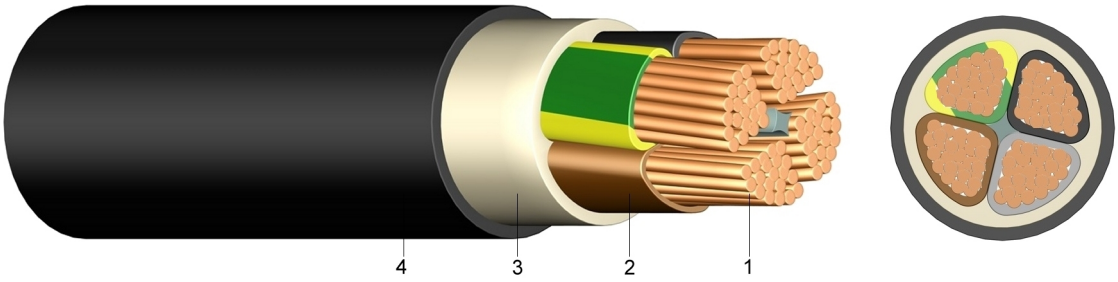
TESLA CABLES

NYY PVC Insulated Heavy Current Cable 0,6/1kV Single and Multicore

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 on core (max. 5 sec.)
<=300mm² --> 160°C
>300mm² --> 140°C

Standards:
DIN VDE 0276-603
HD 603 S1:1994 + A2:2003
DIN EN 60228 class 1 and 2 (construction)
HD 308 S2 (core identification)

Technical data:

Nominal voltage Uo/U		[V]	600 / 1000 Volt
Test voltage		$[V]_{AC}$	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 mm²	Copper figure kg/km	Overall diameter appr. mm	Weight appr. kg/km	Current carrying capacity ground A	Current carrying capacity air A
1 x 4 RE	38,4	8	120	50	37
1 x 6 RE	57,6	9	131	62	47
1 x 10 RE	96,0	10	171	83	64
1 x 16 RE	153,6	11	233	107	84
1 x 25 RM	240,0	12	370	138	114
1 x 35 RM	336,0	14	480	164	139
1 x 50 RM	480,0	16	640	195	169
1 x 70 RM	672,0	17	850	238	213
1 x 95 RM	912,0	19	1.120	286	264
1 x 120 RM	1.152,0	21	1.375	325	307
1 x 150 RM	1.440,0	23	1.660	365	352
1 x 185 RM	1.776,0	25	2.050	413	406
1 x 240 RM	2.304,0	28	2.634	479	483
1 x 300 RM	2.880,0	30	3.295	541	557

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Member of MEINHART

Number of cores and nominal cross section mm²		Copper figure kg/km	Overall diameter appr. mm	Weight appr. kg/km	Current carrying capacity ground A	Current carrying capacity air A
1 x 400	RM	3.840,0	32	4.231	614	646
1 x 500	RM	4.800,0	34	5.284	693	747
1 x 630	RM	6.048,0	42	6.850	777	858
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	13	244	27	20
3 x 2,5	RE	72,0	14	294	36	25
3 x 4	RE	115,2	16	393	47	34
3 x 6	RE	172,8	17	481	59	43
3 x 10	RE	288,0	18	645	79	59
3 x 16	RE	460,8	20	872	102	79
3 x 16	RM	460,8	20	872	102	79
3 x 25	RM	720,0	25	1.350	133	106
3 x 35	SM	1.008,0	25	1.460	159	129
3 x 50	SM	1.440,0	29	1.750	188	157
3 x 70	SM	2.016,0	32	2.400	232	199
3 x 95	SM	2.736,0	35	3.560	280	246
3 x 120	SM	3.456,0	38	4.310	318	285
3 x 150	SM	4.320,0	42	5.310	359	326
3 x 185	SM	5.328,0	47	6.630	406	374
3 x 240	SM	6.912,0	53	8.480	473	445
3 x 25/16	RM/RE	873,6	25	1.513	133	106
3 x 35/16	SM/RE	1.161,6	27	1.804	159	129
3 x 50/25	SM/RM	1.680,0	31	2.349	188	157
3 x 70/ 35	SM	2.352,0	35	3.117	232	199
3 x 95/ 50	SM	3.216,0	39	4.167	280	246
3 x 120/ 70	SM	4.128,0	44	5.190	318	285
3 x 150/ 70	SM	4.992,0	47	6.161	359	326
3 x 185/ 95	SM	6.240,0	53	7.673	406	374
3 x 240/120	SM	8.064,0	59	9.850	473	445
3 x 300/150	SM	10.080,0	65	11.900	535	511
4 x 1,5	RE	57,6	14	278	27	20
4 x 2,5	RE	96,0	15	340	36	25
4 x 4	RE	153,6	17	460	47	34
4 x 6	RE	230,4	18	570	59	43
4 x 10	RE	384,0	20	775	79	59
4 x 10	RM	384,0	20	775	79	59
4 x 16	RE	614,4	22	1.072	102	79
4 x 16	RM	614,4	22	1.072	102	79
4 x 25	RM	960,0	27	1.632	133	106
4 x 35	SM	1.344,0	27	1.959	159	129
4 x 50	SM	1.920,0	32	2.595	188	157
4 x 70	SM	2.688,0	36	3.488	232	199
4 x 95	SM	3.648,0	41	4.637	280	246
4 x 120	SM	4.608,0	43	5.689	318	285
4 x 150	SM	5.760,0	49	6.973	359	326
4 x 185	SM	7.104,0	54	8.663	406	374
4 x 240	SM	9.216,0	60	11.140	473	445

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Number of cores and nominal cross section mm²	Copper figure kg/km	Overall diameter appr. mm	Weight appr. kg/km	Current carrying capacity ground A	Current carrying capacity air A
5 x 1,5 RE	72,0	15	317	*	*
5 x 2,5 RE	120,0	16	391	*	*
5 x 4 RE	192,0	18	537	*	*
5 x 6 RE	288,0	19	672	*	*
5 x 10 RE	480,0	21	921	*	*
5 x 10 RM	480,0	21	921	*	*
5 x 16 RE	768,0	24	1.294	*	*
5 x 16 RM	768,0	24	1.294	*	*
5 x 25 RM	1.200,0	29	2.004	*	*
5 x 35 RM	1.680,0	30	2.575	*	*
5 x 50 RM	2.400,0	36	3.193	*	*
5 x 70 RM	3.360,0	40	4.722	*	*
5 x 95 RM	4.560,0	46	6.393	*	*
5 x 120 RM	5.760,0	50	7.095	*	*
5 x 150 RM	7.200,0	59	8.240	*	*
7 x 1,5 RE	100,8	16	376	*	*
10 x 1,5 RE	144,0	19	495	*	*
12 x 1,5 RE	172,8	18	440	*	*
14 x 1,5 RE	201,6	20	494	*	*
16 x 1,5 RE	230,4	21	600	*	*
19 x 1,5 RE	273,6	22	614	*	*
21 x 1,5 RE	302,4	23	700	*	*
24 x 1,5 RE	345,6	24	769	*	*
30 x 1,5 RE	432,0	26	918	*	*
40 x 1,5 RE	576,0	29	1.250	*	*
7 x 2,5 RE	168,0	17	472	*	*
10 x 2,5 RE	240,0	20	530	*	*
12 x 2,5 RE	288,0	21	578	*	*
14 x 2,5 RE	336,0	22	680	*	*
16 x 2,5 RE	384,0	23	750	*	*
19 x 2,5 RE	456,0	24	870	*	*
21 x 2,5 RE	504,0	25	900	*	*
24 x 2,5 RE	576,0	26	1.035	*	*
30 x 2,5 RE	720,0	28	1.300	*	*
40 x 2,5 RE	960,0	31	1.700	*	*
7 x 4 RE	268,8	18	600	*	*
7 x 6 RE	403,2	20	760	*	*
7 x 10 RE	672,0	22	1.080	*	*
(N)YY – fine stranded					
1 x 35 RF	336,0	16	518	164	139
1 x 50 RF	480,0	18	693	195	169
1 x 70 RF	672,0	19	863	238	213
1 x 120 RF	1.152,0	22	1.378	325	307
1 x 150 RF	1.440,0	24	1.645	365	352
1 x 185 RF	1.776,0	26	1.985	413	406
1 x 240 RF	2.304,0	29	2.569	479	483
1 x 300 RF	2.880,0	34	3.296	541	557

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

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