

## NYY 0,6/1kV

### PVC Insulated Heavy Current Cable



#### 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

Conductor material	Copper Solid (SE) or stranded (RM)
Insulation	Polyvinylchloride (PVC)
Filling	Core covering or taping
Outer sheath	Polyvinylchloride (PVC), Black, UV- resistant

#### Standards and Certifications

DIN VDE 0276-603  
 HD 603 S1:1994 + A2:2003  
 DIN EIN 60228 class 1 and 2 (construction)  
 EN 60332-1-2  
 This cable is VDE certified



#### Technical Data

Nominal voltage U <sub>0</sub> /U	[V]	600 / 1000V
Test voltage	[V]AC	4000
Temperature range	in motion°C fixed°C	-5°C till +70°C -20°C till +70°C
Operating temperature	short circuit°C	160°C ≤ 300mm <sup>2</sup> 140°C > 300mm <sup>2</sup>
Short circuit time	max. [sec]	5
Bending radius	single core x diameter multi core x diameter	15 12

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## Core Identification

Accordance to HD 308 S2

JZ: One core green/yellow, other cores are black with figures

OZ: Every core is black with figures

## Fire classification CPR class

Reaction to fire EN 50575 - Eca

Number of cores x Cross-section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
1 x 4 RE	8	121	4.61
1 x 6 RE	9	130	3.08
1 x 10 RE	11	170	1.83
1 x 16 RE	12	245	1.15
1 x 16 RM	13	245	1.15
1 x 25 RM	15	360	0.727
1 x 35 RM	16	466	0.524
1 x 50 RMC	17	630	0.387
1 x 70 RMC	19	825	0.268
1 x 95 RMC	21	1175	0.193
1 x 120 RMC	22	1380	0.153
1 x 150 RMC	25	1740	0.124
1 x 185 RMC	27	2150	0.101
1 x 240 RMC	30	2705	0.0775
1 x 300 RMC	32	3380	0.0620
1 x 400 RMC	37	4210	0.0465
2 x 1.5 RE	13	185	12.1
2 x 2.5 RE	14	230	7.41
2 x 4	16	290	4.61
2 x 6	17	335	3.08
2 x 10	19	495	1.83
2 x 16 RE	21	670	1.15
2 x 25 RM	26	1065	0.727
3 x 1.5 RE	14	210	0.727
3 x 2.5 RE	15	260	0.524
3 x 4 RE	16	355	4.61
3 x 6 RE	17	435	3.08
3 x 10 RE	19	625	1.83
3 x 16 RE	22	630	1.15
3 x 16 RM	21	630	1.15
3 x 25 RM	26	1330	0.727
3 x 25 RM + 16 RE	31	1570	0.727 / 1.15
3 x 35 RM + 16 RE	32	1995	0.524 / 1.15
3 x 50 SM + 25 RM	35	2490	0.387 / 0.727
3 x 70 SM + 35 SM	38	3220	0.268 / 0.524
3 x 120 SM + 70 SM	45	5390	0.153 / 0.268

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Number of cores x Cross- section	Overall diameter (approx.) [mm]	Weight (approx.) [kg/km]	Maximum electrical resistance at 20° C [Ω/km]
3 x 150 SM + 70 SM	50	6560	0.124 / 0.268
3 x 185 SM + 95 SM	54	7750	0.101 / 0.193
3 x 240 SM + 120 SM	60	10320	0.0775 / 0.153
4 x 1.5 RE	14	245	12.1
4 x 2.5 RE	16	290	7.41
4 x 4 RE	18	440	4.61
4 x 6 RE	19	535	3.08
4 x 10 RE	21	1300	1.83
4 x 16 RE	23	755	1.15
4 x 16 RM	24	1090	1.15
4 x 25 RM	26	1650	0.727
4 x 35 RM	28	1950	0.524
4 x 50 SM	30	2565	0.387
4 x 70 SM	34	3525	0.268
4 x 95 SM	38	4765	0.193
4 x 120 SM	43	5940	0.153
4 x 150 SM	48	7200	0.124
4 x 185 SM	53	8865	0.101
4 x 240 SM	57	11320	0.0775
5 x 1.5 RE	15	285	12.1
5 x 2.5 RE	17	360	7.41
5 x 4 RE	18	495	4.61
5 x 6 RE	21	650	3.08
5 x 10 RE	22	915	1.83
5 x 16 RE	25	1300	1.15
5 x 16 RM	25	1300	1.15
5 x 25 RM	32	2050	0.727
5 x 35 RM	34	2610	0.524
5 x 50 RMC	39	3350	0.387
5 x 70 RMC	42	985	0.268
5 x 95 RMC	48	4520	0.193
5 x 120 RMC	52	8140	0.153
7 x 1.5 RE	16	345	12.1
7 x 2.5 RE	17	430	7.41
7 x 4 RE	19	625	4.61

### Designation

RE Solid round conductors  
 RM Stranded round conductors  
 RMC Stranded round conductors (compacted)  
 SM Stranded sector conductors

From six core:

JZ Construction: One core green/yellow, other cores are black with figures  
 OZ Construction: Every core is black with figures

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