We Make Modern Life Possible.



POWER CABLES AND OVERHEAD LINES 0.6/1 KV

NYY

PVC/PVC copper energy cables

The cables are designed for distribution of electrical energy in fixed installation in the ground, cable ducts and in the outdoor environment.

TECHNICAL DATA

Standard
DIN VDE 0276-603 (HD 603), HD 627

Certificate
VDE Germany

Test Voltage
core/core 4 kV / 50 Hz

Rated Voltage
0,6/1 kV

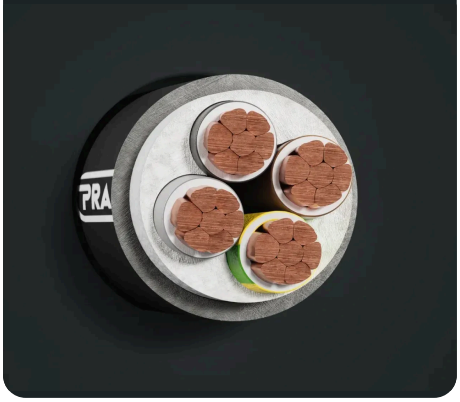
Bending radius (min.)
12 x Ø of cable (multicore)
15 x Ø of cable (singlecore)

Fire properties
EN 60332-1-2: self-extinguishing
CPR classification: Eca

Core identification
HD 308 S2

Temperature range
Laying temperature: min. -5°C
Operating temperature: -50°C up to 70°C
Conductor temperature: max. 70°C
Short circuit temperature: max. 140°C

DESIGN



1. Copper conductor, round solid (RE), round stranded (RM) resp. sector-shaped stranded (SM)
2. Core insulation (PVC)
3. Inner covering (EPDM)
4. Sheath (PVC black, UV-resistant)

Number of cores x nominal cross-section (mm²)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
2 x 1.5 RE	12.1	33	22	11.5	160
3 x 1.5 RE	12.1	27	20	12.0	205
4 x 1.5 RE	12.1	27	20	12.8	240
5 x 1.5 RE	12.1	27	20	14.7	280
2 x 2.5 RE	7.41	43	30	12.3	235
3 x 2.5 RE	7.41	36	25	12.5	260
4 x 2.5 RE	7.41	36	25	13.8	310
5 x 2.5 RE	7.41	54	25	14.8	345
2 x 4 RE	4.61	54	37	14.1	315
3 x 4 RE	4.61	47	34	14.5	355
4 x 4 RE	4.61	47	34	15.8	425
5 x 4 RE	4.61	47	34	16.2	495
2 x 6 RE	3.08	68	48	15.1	390
3 x 6 RE	3.08	59	43	15.5	430
4 x 6 RE	3.08	59	43	17.1	525
5 x 6 RE	3.08	59	43	18.5	615
1 x 10 RE	1.83	124	81	9.7	175
1 x 10 RM	1.83	124	81	10.0	185
2 x 10 RE	1.83	90	66	17.0	550
2 x 10 RM	1.83	90	66	18.0	575
3 x 10 RE	1.83	79	59	17.5	600
3 x 10 RM	1.83	79	59	18.2	650
4 x 10 RE	1.83	79	59	19.0	790
4 x 10 RM	1.83	79	59	19.0	740
5 x 10 RE	1.83	79	59	20.5	885
5 x 10 RM	1.83	79	59	21.5	940
1 x 16 RE	1.15	160	107	10.6	230
1 x 16 RM	1.15	160	107	10.9	245
3 x 16 RE	1.15	102	79	19.0	810
3 x 16 RM	1.15	102	79	21.4	940
4 x 16 RE	1.15	102	79	23.0	1060
4 x 16 RM	1.15	102	79	22.0	1040
5 x 16 RE	1.15	102	79	24.5	1230
5 x 16 RM	1.15	102	79	24.8	1310
1 x 25 RM	0.727	208	144	12.6	350
2 x 25 RM	0.727	151	120	23.1	1100
3 x 25 RM	0.727	133	106	24.5	1330
3 x 25 + 16 RM/RE	0.727 / 1,15	133	106	26.7	1400
4 x 25 RM	0.727	133	106	26.7	1550
5 x 25 RM	0.727	133	106	29.9	1920
1 x 35 RM	0.524	250	176	13.8	455
4 x 35 RM	0.524	159	129	29.6	2010
4 x 35 SM	0.524	159	129	27.6	1900
5 x 35 RM	0.524	159	129	33.1	2610

Number of cores x nominal cross-section (mm²)	Max. conductor resistance (Ω/km)	Current rating in the earth (A)	Current rating in the air (A)	Outer diameter appr. (mm)	Total weight appr. (kg/km)
1 x 50 RM	0.387	296	214	15.4	595
3 x 50 + 25 SM/RM	0.387 / 0,727	188	157	34.4	2330
4 x 50 SM	0.387	188	157	34.4	2450
1 x 70 RM	0.268	365	270	17.0	800
3 x 70 + 35 SM/SM	0.268 / 0,524	232	199	43.0	3060
4 x 70 SM	0.268	232	199	43.0	3290
1 x 95 RM	0.193	438	334	19.1	1100
3 x 95 + 50 SM/SM	0.193 / 0,387	280	246	42.8	4160
4 x 95 SM	0.193	280	246	46.6	4550
1 x 120 RM	0.153	501	389	20.6	1350
3 x 120 + 70 SM/SM	0.153 / 0,268	318	285	46.6	5150
4 x 120 SM	0.153	318	285	46.6	5570
1 x 150 RM	0.124	563	446	22.2	1610
3 x 150 + 70 SM/SM	0.124 / 0,268	359	326	50.4	6090
4 x 150 SM	0.124	359	326	50.4	6720
1 x 185 RM	0.099	639	516	24.6	2060
3 x 185 + 95 SM/SM	0.099 / 0,193	406	374	54.4	7460
4 x 185 SM	0.099	406	374	57.0	8560
1 x 240 RM	0.075	746	618	27.6	2590
3 x 240 + 120 SM/SM	0.075 / 0,153	473	445	60.8	9900
4 x 240 SM	0.075	473	445	63.2	11140
1 x 300 RM	0.060	848	717	30.5	3260
3 x 300 + 150 SM/RM	0.060 / 0,124	535	511	66.3	11980
1 x 400 RM	0.047	975	843	34.3	4210
1 x 500 RM	0.037	1125	994	37.7	5210

Technical changes reserved. All figures are therefore without guarantee.



CONTACT PERSON

Vojtěch Cuřín
Product Supervisor
+420 731 226 023
vojtech.curin@prakab.com