

LOW VOLTAGE CABLES 0,6/1 kV

1-CYKCY

PVC/PVC copper energy cables, screened



TECHNICAL DATA



Standard
TP PRAKAB 03/07



Certificate
EZÚ Czech Republic



Test Voltage
core/core 4 kV / 50 Hz



Rated Voltage
0.6/1 kV



Bending radius (min.)
12 x Ø of cable up to 15 mm
15 x Ø of cable over 15 mm



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



Core identification
ČSN 33 0166 ed. 2
ČSN EN 50334



Temperature range
Laying temperature: min. -5°C
Operating temperature: -50°C up to 70°C
Conductor temperature: max. 70°C
Short circuit temperature: max. 160°C

DESIGN



1 Copper conductor, round solid (RE), round stranded (RM) resp. sector-shaped stranded (SM)



2 Core insulation (PVC), cores stranded



3 Inner covering (EPDM or plastic tape)



4 Sheat (PVC black)



5 Screen (Cu tape)



6 Inner covering (plastic tape)



7 Outer covering (PVC black, UV-resistant)

Number of cores x nominal cross-section (mm ²)	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	32	20	12.1	240
3 x 1.5 RE	12.1	27	20	12.6	265
4 x 1.5 RE	12.1	27	20	13.3	290
5 x 1.5 RE	12.1	19	15	14.6	330
7 x 1.5 RE	12.1	16	13	15.5	385
12 x 1.5 RE	12.1	13	10	19.3	610
19 x 1.5 RE	12.1	11	9	22.6	820
24 x 1.5 RE	12.1	9	8	25.6	1025
2 x 2.5 RE	7.41	42	27	12.8	275
3 x 2.5 RE	7.41	36	26	13.8	310
4 x 2.5 RE	7.41	36	26	14.6	355
5 x 2.5 RE	7.41	25	20	15.6	400
7 x 2.5 RE	7.41	22	16	16.5	470
12 x 2.5 RE	7.41	17	13	21.2	760
19 x 2.5 RE	7.41	14	11	24.5	1060
24 x 2.5 RE	7.41	13	10	28.7	1380
2 x 4 RE	4.61	54	37	14.9	360
3 x 4 RE	4.61	47	34	15.2	410
4 x 4 RE	4.61	47	34	16.9	460
5 x 4 RE	4.61	32	26	18.1	545
7 x 4 RE	4.61	28	22	19.4	710
2 x 6 RE	3.08	68	48	15.9	440
3 x 6 RE	3.08	59	44	16.5	480
4 x 6 RE	3.08	59	44	18.0	580
5 x 6 RE	3.08	41	32	19.0	660
7 x 6 RE	3.08	35	28	20.8	870
2 x 10 RE	1.83	90	66	17.3	570
4 x 10 RE	1.83	79	60	19.9	825
3 x 16 RE	1.15	102	80	20.1	870
4 x 16 RE	1.15	102	80	22.5	1115
5 x 16 RE	1.15	71	59	24.4	1325
4 x 25 RM	0.727	132	105	27.9	1715
3 x 35 RM	0.524	159	129	30.6	1790
4 x 50 SM	0.387	188	157	32.0	2470
3 x 240 + 120 SM/RM	0.075 / 0.124	464	445	61.0	9330

CONTACT PERSON

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