



# 1-CYKCY

PVC/PVC copper energy cables, screened

LOW VOLTAGE CABLES 0,6/1 kV

The cables are designed for fixed distribution of electricity in the ground or in the outdoor environment.



## 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  $\varnothing$  of cable up to 15 mm  
15 x  $\varnothing$  of cable over 15 mm



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

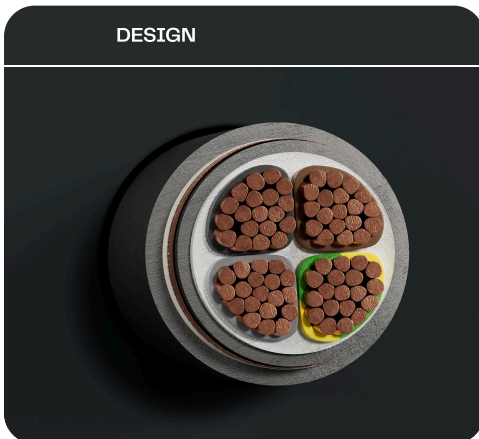


**Core identification**  
ČSN 33 0166 ed. 2  
ČSN EN 50334



**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 <sup>2</sup> )	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	233
3 x 1.5 RE	12.1	27	20	12.6	258
4 x 1.5 RE	12.1	27	20	13.3	286
5 x 1.5 RE	12.1	19	15	14.6	335
7 x 1.5 RE	12.1	16	13	15.5	397
12 x 1.5 RE	12.1	13	10	19.3	589
19 x 1.5 RE	12.1	11	9	22.6	818
24 x 1.5 RE	12.1	9	8	25.6	1027
2 x 2.5 RE	7.41	42	27	12.8	271
3 x 2.5 RE	7.41	36	26	13.8	315
4 x 2.5 RE	7.41	36	26	14.6	359
5 x 2.5 RE	7.41	25	20	15.6	409
7 x 2.5 RE	7.41	22	16	16.5	484
12 x 2.5 RE	7.41	17	13	21.2	760
19 x 2.5 RE	7.41	14	11	24.5	1056
24 x 2.5 RE	7.41	13	10	28.7	1383
2 x 4 RE	4.61	54	37	14.9	362
3 x 4 RE	4.61	47	34	15.2	397
4 x 4 RE	4.61	47	34	16.9	485
5 x 4 RE	4.61	32	26	18.1	549
7 x 4 RE	4.61	28	22	19.4	673
2 x 6 RE	3.08	68	48	15.9	431
3 x 6 RE	3.08	59	44	16.5	483
4 x 6 RE	3.08	59	44	18.0	583
5 x 6 RE	3.08	41	32	19.0	659
7 x 6 RE	3.08	35	28	20.8	843
2 x 10 RE	1.83	90	66	17.3	542
3 x 10 RE	1.83	79	60	17.8	634
4 x 10 RE	1.83	79	60	19.9	779
5 x 10 RE	1.83	55	44	21.1	945
3 x 16 RE	1.15	102	80	20.1	870
4 x 16 RE	1.15	102	80	22.5	1079
5 x 16 RE	1.15	71	59	24.4	1285
4 x 25 RM	0.727	132	105	27.9	1780
5 x 25 RM	0.727	92	73	30.5	2170
3 x 35 RM/RM	0.524 / 0.727	159	129	30.6	2170
4 x 35 RM	0.524	159	129	30.6	2220
5 x 35 RM	0.524	110	89	33.2	2720
3 x 50 SM/SM	0.387 / 0.524	188	157	32.0	2470
4 x 50 RM	0.387	188	157	35.2	3180
4 x 50 SM	0.387	188	157	32.0	2590
3 x 70 SM/RM	0.268 / 0.268	236	199	35.4	3260
4 x 70 RM	0.268	236	199	40.1	4020
4 x 70 SM	0.268	236	199	35.4	3470
3 x 95 SM/RM	0.193 / 0.268	280	246	40.8	4170
4 x 95 RM	0.193	280	246	45.5	5300
4 x 95 SM	0.193	280	246	40.8	4600
4 x 95 SM/RM	0.193 / 0.268	280	246	40.8	4350
3 x 120 SM/RM	0.153 / 0.387	317	285	44.2	4920
3 x 120 SM/RM	0.153 / 0.268	317	285	44.2	5170
4 x 120 SM	0.153	317	285	44.2	5580
3 x 150 SM/RM	0.124 / 0.268	359	326	48.3	6020



Number of cores x nominal cross-section (mm <sup>2</sup> )	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)
4 x 150 SM	0.124	359	326	48.3	6750
3 x 185 SM/RM	0.099 / 0.193	401	374	54.9	8410
4 x 185 SM	0.099	401	374	54.9	7590
3 x 240 SM/RM	0.075 / 0.124	464	445	61.0	9730
4 x 240 SM	0.075	464	445	61.0	10760

**CONTACT PERSON**

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