We Make Modern Life Possible.



POWER CABLES AND OVERHEAD LINES 0.6/1 KV

1-CYKCY

PVC/PVC copper energy cables, screened

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 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. Inner sheath (PVC black)
5. Screen (Cu tape)
6. Inner covering (plastic tape)
7. Outer 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	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

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

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