



# CYKY

## PVC/PVC installation cables

INSTALATION AND HARMONISED CABLES AND WIRES

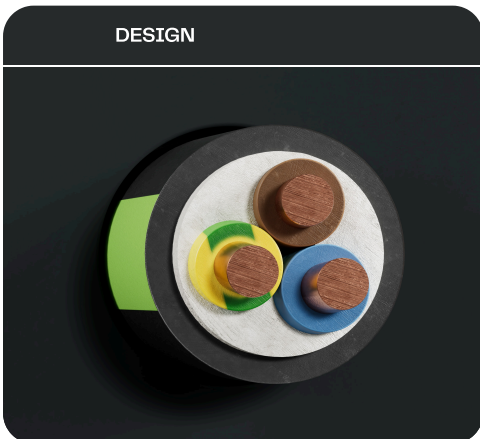
The cables are designed for fixed distribution of electricity in the ground or in the open environment without any mechanical stress.



### TECHNICAL DATA

<p><b>Standard</b> ČSN 34 7411</p>	<p><b>Rated Voltage</b> 450/750 V</p>	<p><b>Core identification</b> ČSN 33 0166 ed. 2 ČSN EN 50334</p>
<p><b>Certificate</b> EZÚ Czech Republic</p>	<p><b>Bending radius (min.)</b> 6 x <math>\phi</math> of cable up to 20 mm (included) 12 x <math>\phi</math> of cable over 20 mm</p>	<p><b>Temperature range</b> Laying temperature: min. -5°C Operating temperature: -40°C up to 70°C</p>
<p><b>Test Voltage</b> core/core 2,5 kV / 50 Hz</p>	<p><b>Fire properties</b> ČSN EN 60332-1-2: self-extinguishing CPR classification: Eca</p>	<p>Conductor temperature: max. 70°C Short circuit temperature: max. 160°C</p>

### DESIGN



- 1 Copper conductor, round solid (RE)
- 2 Core insulation (PVC)
- 3 Inner covering (EPDM)
- 4 Sheath (PVC black, UV-resistant) with colored stripe according to dimension: CYKY-J 3x1,5 blue; CYKY-O 3x1,5 red; CYKY J 3x2,5 green; CYKY-J 5x1,5 violet; CYKY-J 5x2,5 yellow

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	12.531	34	22	8.1	105
3 x 1.5 RE	12.531	28	19	8.6	120
4 x 1.5 RE	12.531	28	19	9.3	150
5 x 1.5 RE	12.531	28	19	10.1	175
7 x 1.5 RE	12.531	16	13	11.0	225
12 x 1.5 RE	12.531	13	10	14.6	390
19 x 1.5 RE	12.531	11	9	17.0	565
24 x 1.5 RE	12.531	9	8	20.1	720
37 x 1.5 RE	12.531	8	7	22.9	1120
48 x 1.5 RE	12.531	7	6	26.6	1310
2 x 2.5 RE	7.52	45	30	8.9	140
3 x 2.5 RE	7.52	36	25	9.5	170
4 x 2.5 RE	7.52	36	25	10.3	210
5 x 2.5 RE	7.52	36	25	11.2	260
7 x 2.5 RE	7.52	22	15	12.2	340
12 x 2.5 RE	7.52	17	13	16.3	570
19 x 2.5 RE	7.52	14	10	19.3	835
24 x 2.5 RE	7.52	12	9	22.5	1080
37 x 2.5 RE	7.52	10	8	26.1	1570
48 x 2.5 RE	7.52	9	6	29.8	2000
2 x 4 RE	4.7	59	40	10.6	215
3 x 4 RE	4.7	48	34	11.2	255
4 x 4 RE	4.7	48	34	12.2	315
5 x 4 RE	4.7	48	34	13.8	380
7 x 4 RE	4.7	29	20	15.0	485
12 x 4 RE	4.7	22	16	20.0	870
2 x 6 RE	3.133	73	51	11.6	260
3 x 6 RE	3.133	61	43	12.3	325
4 x 6 RE	3.133	61	43	13.8	405
5 x 6 RE	3.133	61	43	15.1	500
2 x 10 RE	1.88	81	66	13.8	385
3 x 10 RE	1.88	81	60	14.7	495
4 x 10 RE	1.88	81	60	16.1	645
5 x 10 RE	1.88	81	60	18.0	770
2 x 16 RE	1.175	105	89	15.6	537
3 x 16 RE	1.175	105	80	16.7	720
4 x 16 RE	1.175	105	80	18.6	925
5 x 16 RE	1.175	105	80	20.4	1140

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