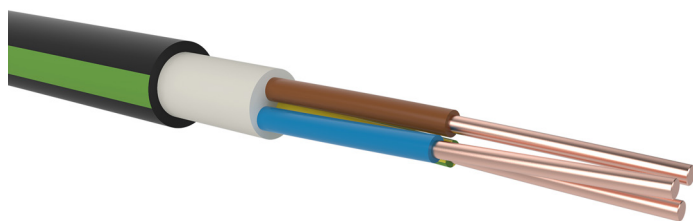


CYKY

PVC/PVC installation cables

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; CYKYJ 3x2,5 green; CYKY-J 5x1,5 violet; CYKY-J 5x2,5 yellow

APPLICATION

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

TECHNICAL DATA



Standard:
ČSN 34 7411



Rated voltage:
450/750 V



Test voltage:
core / core 2.5 kV / 50 Hz



Temperature range:
laying temperature: min. -5 °C
operating temperature: -40 °C up to 70 °C
conductor temperature: max. 70 °C
short circuit temperature: max. 160 °C/5 s



Bending radius (min.):
6 x Ø up to 20 mm
12 x Ø over 20 mm



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



Fire properties:
ČSN EN 60332-1-2: self-extinguishing
CPR classification: E_{ca}



Certificate:
EZÚ Czech Republic

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 (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
CYKY						
2 x 1.5 RE	12.531	34.0	22.0	8.1	105	100 R, 500 D
3 x 1.5 RE	12.531	28.0	18.5	8.6	120	100 R, 500 D
4 x 1.5 RE	12.531	28.0	18.5	9.3	150	100 R, 500 D
5 x 1.5 RE	12.531	28.0	18.5	10.1	175	100 R, 500 D
7 x 1.5 RE	12.531	16.0	12.5	11.0	225	1000 D
12 x 1.5 RE	12.531	12.5	10.0	14.6	390	1000 D
19 x 1.5 RE	12.531	10.5	8.5	17.0	565	1000 D
24 x 1.5 RE	12.531	9.0	7.5	20.1	720	1000 D
37 x 1.5 RE	12.531	8.0	7.0	22.9	1120	1000 D
48 x 1.5 RE	12.531	7.0	6.0	26.6	1310	1000 D
2 x 2.5 RE	7.52	45.0	30.0	8.9	140	100 R, 500 D
3 x 2.5 RE	7.52	36.0	25.0	9.5	170	100 R, 500 D
4 x 2.5 RE	7.52	36.0	25.0	10.3	210	100 R, 500 D
5 x 2.5 RE	7.52	36.0	25.0	11.2	260	100 R, 500 D
7 x 2.5 RE	7.52	21.5	15.0	12.2	340	1000 D

CYKY

PVC/PVC installation cables

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 (mm) appr.	Total weight (kg/km) appr.	Standard lengths / packing
CYKY						
12 x 2.5 RE	7.52	17.0	13.0	16.3	570	1000 D
19 x 2.5 RE	7.52	14.0	10.0	19.3	835	1000 D
24 x 2.5 RE	7.52	12.0	9.0	22.5	1080	1000 D
37 x 2.5 RE	7.52	10.0	8.0	26.1	1570	1000 D
48 x 2.5 RE	7.52	9.0	6.0	29.8	2000	1000 D
2 x 4 RE	4.7	59.0	40.0	10.6	215	1000 D
3 x 4 RE	4.7	48.0	34.0	11.2	255	1000 D
4 x 4 RE	4.7	48.0	34.0	12.2	315	1000 D
5 x 4 RE	4.7	48.0	34.0	13.8	380	1000 D
7 x 4 RE	4.7	29.0	20.0	15.0	485	1000 D
12 x 4 RE	4.7	22.0	16.0	20.0	870	1000 D
2 x 6 RE	3.133	73.0	51.0	11.6	260	1000 D
3 x 6 RE	3.133	61.0	43.0	12.3	325	1000 D
4 x 6 RE	3.133	61.0	43.0	13.8	405	1000 D
5 x 6 RE	3.133	61.0	43.0	15.1	500	1000 D
3 x 10 RE	1.88	81.0	60.0	14.7	495	1000 D
4 x 10 RE	1.88	81.0	60.0	16.1	645	1000 D
5 x 10 RE	1.88	81.0	60.0	18.0	770	1000 D
3 x 16 RE	1.175	105.0	80.0	16.7	720	1000 D
4 x 16 RE	1.175	105.0	80.0	18.6	925	1000 D
5 x 16 RE	1.175	105.0	80.0	20.4	1140	1000 D

Technical changes reserved. All figures are therefore without guarantee.