

INSTALLATION CABLES

CYKYDY

PVC/PVC installation cables, armoured



TECHNICAL DATA



Standard
TP PRAKAB 01/03



Certificate
EZÚ Czech Republic



Test Voltage
core/core 2,5 kV / 50 Hz



Rated Voltage
450/750 V



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



Fire properties
EN 60332-1-2: self-extinguishing
CPR classification: 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)

2

Core insulation (PVC)

3

Inner covering (EPDM)

4

Sheat (PVC black)

5

Armouring (bare steel tape)

6

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	12.531	34	22	15.0	480
3 x 1.5 RE	12.531	28	19	15.5	520
4 x 1.5 RE	12.531	28	19	16.2	570
5 x 1.5 RE	12.531	28	19	17.2	625
7 x 1.5 RE	12.531	16	13	17.9	705
12 x 1.5 RE	12.531	13	10	21.5	1010
19 x 1.5 RE	12.531	11	9	23.9	1310
24 x 1.5 RE	12.531	9	8	27.0	1590
37 x 1.5 RE	12.531	8	7	29.9	2650
48 x 1.5 RE	12.531	7	6	33.5	3180
2 x 2.5 RE	7.52	45	30	15.9	565
3 x 2.5 RE	7.52	36	25	16.4	605
4 x 2.5 RE	7.52	36	25	17.2	675
5 x 2.5 RE	7.52	36	25	18.1	780
7 x 2.5 RE	7.52	22	16	19.1	915
12 x 2.5 RE	7.52	17	13	23.2	1300
19 x 2.5 RE	7.52	14	11	26.2	1700
24 x 2.5 RE	7.52	13	10	29.4	2730
37 x 2.5 RE	7.52	11	9	33.1	3430
48 x 2.5 RE	7.52	10	8	36.8	4130
2 x 4 RE	4.7	59	40	17.5	665
3 x 4 RE	4.7	48	34	18.1	730
4 x 4 RE	4.7	48	34	19.1	875
5 x 4 RE	4.7	48	34	20.7	980
7 x 4 RE	4.7	28	22	21.9	1190
12 x 4 RE	4.7	22	18	26.9	1680
2 x 6 RE	3.133	73	51	18.5	800
3 x 6 RE	3.133	61	43	19.2	905
4 x 6 RE	3.133	61	43	20.7	1010
5 x 6 RE	3.133	61	43	22.0	1150
3 x 10 RE	1.88	81	60	21.6	1110
4 x 10 RE	1.88	81	60	23.0	1330
5 x 10 RE	1.88	81	60	24.9	1520
3 x 16 RE	1.175	105	80	23.6	1420
4 x 16 RE	1.175	105	80	25.5	1650
5 x 16 RE	1.175	105	80	27.3	1970

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