

LOW VOLTAGE CABLES 0,6/1 kV

1-CYKYDY

PVC/PVC copper energy cables, armoured



TECHNICAL DATA



Standard
TP PRAKAB 01/03



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 classification: Eca



Core identification
ČSN 33 0166 ed. 2



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



Copper conductor, round solid (RE), round stranded (RM)
resp. sector-shaped stranded (SM)



Core insulation (PVC)



Inner covering (EPDM or plastic tape)



Inner sheath (PVC black)



Armouring (tinned steel wires)



Outer sheath (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)
4 x 25 RM	0.752	132	105	30.4	2279
5 x 25 RM	0.752	92	73	33.1	2689
3 x 35 + 25 RM/RM	0.537 / 0.752	159	129	32.9	2710
4 x 35 RM	0.537	159	129	33.2	2828
4 x 35 SM	0.537	159	129	30.1	2472
5 x 35 RM	0.537	110	89	35.5	3320
3 x 50 + 35 SM/RM	0.387 / 0.537	188	157	34.3	3063
4 x 50 RM	0.387	188	157	40.2	4433
4 x 50 SM	0.387	188	157	34.3	3200
5 x 50 SM	0.387	130	109	35.6	3738
3 x 70 + 35 SM/RM	0.268 / 0.537	232	199	39.6	4511
4 x 70 SM	0.268	232	199	39.6	4840
3 x 95 + 50 SM/RM	0.193 / 0.387	280	246	45.4	5833
4 x 95 SM	0.193	280	246	45.6	6920
3 x 120 + 70 SM/RM	0.153 / 0.268	318	285	48.2	6865
4 x 120 SM	0.153	318	285	48.2	7347

CONTACT PERSON

Vojtěch Cuřin
Product Supervisor
+420 731 226 023
vojtech.curin@prakab.com

